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11750

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	IO1401
CLASSIFICATION	RES1
Lot Size (sq. ft.)	6,375
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	3	1,030	3090
Personal Protection Equipment	Man-days	12	15	180
Excavation - Mechanical	CY	105	60.63	6366.2
Excavation - Manual	CY	12	72.5	870
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY	34	15	510
Sod (planting)	SF	920	0.44	404.8
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY	83	15	1245
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	8	25	200
DISPOSAL				
Special Wastes (transp/disposal)	CY	117	12.48	1460.2
TOTAL DIRECT CAPITAL COSTS				15096

Assume gravel is 12" thick.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	WS1310/16
CLASSIFICATION	RES1
Lot Size (sq. ft.)	6,552
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	3	1,030	3090
Personal Protection Equipment	Man-days	12	15	180
Excavation - Mechanical	CY	107	60.63	6487.4
Excavation - Manual	CY	27	72.5	1957.5
Removal & Disposal of Shrubs/Trees/Debris	CY	35	45	1575
Removal of Fences	LF	119	0.97	115.43
RESTORATION				
Backfill	CY	134	15	2010
Sod (planting)	SF	3614	0.44	1590.2
Fencing (installed)	LF	119	10	1190
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	10	25	250
DISPOSAL				
Special Wastes (transp/disposal)	CY	134	12.48	1672.3
TOTAL DIRECT CAPITAL COSTS				20843

Small equipment needed.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	RE1121
CLASSIFICATION	RES1
Lot Size (sq. ft.)	7,500
Remediate (inches)	3

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY	49	60.63	2970.9
Excavation - Manual	CY	5	72.5	362.5
Removal & Disposal of Shrubs/Trees/Debris	CY	2	45	90
Removal of Fences	LF	20	0.97	19.4
RESTORATION				
Backfill	CY	49	15	735
Sod (planting)	SF	5339	0.44	2349.2
Fencing (installed)	LF	20	10	200
Concrete	CY		60	0
Gravel & Grading	CY	5	15	75
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	8	25	200
DISPOSAL				
Special Wastes (transp/disposal)	CY	54	12.48	673.92
TOTAL DIRECT CAPITAL COSTS				10581

Assume gravel is 3" thick.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	MA0810
CLASSIFICATION	RES1
Lot Size (sq. ft.)	7,650
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY	76	60.63	4607.9
Excavation - Manual	CY	4	72.5	290
Removal & Disposal of Shrubs/Trees/Debris	CY	2	45	90
Removal of Fences	LF	100	0.97	97
RESTORATION				
Backfill	CY	80	15	1200
Sod (planting)	SF	4336	0.44	1907.8
Fencing (installed)	LF	100	10	1000
Concrete retaining wall	CY	3	400	1200
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	2	25	50
DISPOSAL				
Special Wastes (transp/disposal)	CY	80	12.48	998.4
TOTAL DIRECT CAPITAL COSTS				14346

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	WS1307
CLASSIFICATION	RES1
Lot Size (sq. ft.)	7,970
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	5	1,030	5150
Personal Protection Equipment	Man-days	20	15	300
Excavation - Mechanical	CY	265	60.63	16067
Excavation - Manual	CY	6	72.5	435
Removal & Disposal of Shrubs/Trees/Debris	CY	4	45	180
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY	271	15	4065
Sod (planting)	SF	7317	0.44	3219.5
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	18	25	450
DISPOSAL				
Special Wastes (transp/disposal)	CY	271	12.48	3382.1
TOTAL DIRECT CAPITAL COSTS				33974

Only two sheds on property.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	GR1217
CLASSIFICATION	RES1
Lot Size (sq. ft.)	10,620
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	5	1,030	5150
Personal Protection Equipment	Man-days	20	15	300
Excavation - Mechanical	CY	269	60.63	16309
Excavation - Manual	CY	14	72.5	1015
Removal & Disposal of Shrubs/Trees/Debris	CY	2	45	90
Removal of Fences	LF	62	0.97	60.14
RESTORATION				
Backfill	CY	283	15	4245
Sod (planting)	SF	7650	0.44	3366
Fencing (installed)	LF	62	10	620
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	5	25	125
DISPOSAL				
Special Wastes (transp/disposal)	CY	283	12.48	3531.8
TOTAL DIRECT CAPITAL COSTS				35537

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	GR1447
CLASSIFICATION	RES1
Lot Size (sq. ft.)	12,345
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	5	1,030	5150
Personal Protection Equipment	Man-days	20	15	300
Excavation - Mechanical	CY	258	60.63	15643
Excavation - Manual	CY	29	72.5	2102.5
Removal & Disposal of Shrubs/Trees/Debris	CY	2	45	90
Removal of Fences	LF	245	0.97	237.65
RESTORATION				
Backfill	CY	287	15	4305
Sod (planting)	SF	7752	0.44	3410.9
Fencing (installed)	LF	245	10	2450
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	11	25	275
DISPOSAL				
Special Wastes (transp/disposal)	CY	287	12.48	3581.8
TOTAL DIRECT CAPITAL COSTS				38270

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	101327
CLASSIFICATION	RES1
Lot Size (sq. ft.)	12,750
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	7	1,030	7210
Personal Protection Equipment	Man-days	28	15	420
Excavation - Mechanical	CY	366	60.63	22191
Excavation - Manual	CY	19	72.5	1377.5
Removal & Disposal of Shrubs/Trees/Debris	CY	5	45	225
Removal of Fences	LF	85	0.97	82.45
RESTORATION				
Backfill	CY	385	15	5775
Sod (planting)	SF	10,406	0.44	4578.6
Fencing (installed)	LF	85	10	850
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	10	25	250
DISPOSAL				
Special Wastes (transp/disposal)	CY	385	12.48	4804.8
TOTAL DIRECT CAPITAL COSTS				48489

Assume garden area has clean backfill and does not require replacement.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	ED2030
CLASSIFICATION	Public
Lot Size (sq. ft.)	3,150
Remediate (inches)	none

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	0	375	0
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	0	350	0
Air Monitoring	Days	0	1,030	0
Personal Protection Equipment	Man-days	0	15	0
Excavation - Mechanical	CY		60.63	0
Excavation - Manual	CY		72.5	0
Removal & Disposal of Shrubs/Trees/Debris	CY		45	0
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY		15	0
Sod (planting)	SF		0.44	0
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY		12.48	0
TOTAL DIRECT CAPITAL COSTS				0

All paved parking lot--remediate none.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	WS2021
CLASSIFICATION	Public
Lot Size (sq. ft.)	5,000
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	3	1,030	3090
Personal Protection Equipment	Man-days	12	15	180
Excavation - Mechanical	CY	176	60.63	10671
Excavation - Manual	CY	9	72.5	652.5
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY		15	0
Sod (planting)	SF		0.44	0
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY	185	15	2775
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	185	12.48	2308.8
TOTAL DIRECT CAPITAL COSTS				20447

Lot is all gravel, assume 12" thick.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	WS2035
CLASSIFICATION	Public
Lot Size (sq. ft.)	5,000
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMobilIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	3	1,030	3090
Personal Protection Equipment	Man-days	12	15	180
Excavation - Mechanical	CY	176	60.63	10671
Excavation - Manual	CY	9	72.5	652.5
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY		15	0
Sod (planting)	SF		0.44	0
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY	185	15	2775
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	185	12.48	2308.8
TOTAL DIRECT CAPITAL COSTS				20447

Lot is all gravel, assume 6" thick.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	ED2052/A
CLASSIFICATION	Public
Lot Size (sq. ft.)	5,000
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	3	1,030	3090
Personal Protection Equipment	Man-days	12	15	180
Excavation - Mechanical	CY	147	60.63	8912.6
Excavation - Manual	CY	8	72.5	580
Removal & Disposal of Shrubs/Trees/Debris	CY	5	45	225
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY	138	15	2070
Sod (planting)	SF	3714	0.44	1634.2
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY	17	15	255
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	155	12.48	1934.4
TOTAL DIRECT CAPITAL COSTS				19606

Assume gravel driveway is 12" thick for gravel replacement.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	MA1245
CLASSIFICATION	PUBLIC
Lot Size (sq. ft.)	6,000
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOLITION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY		60.63	0
Excavation - Manual	CY	7	72.5	507.5
Removal & Disposal of Shrubs/Trees/Debris	CY		45	0
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY	7	15	105
Sod (planting)	SF	196	0.44	86.24
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	7	12.48	87.36
TOTAL DIRECT CAPITAL COSTS				3691.1

Hand dig grass strip 2'x98'.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	IO1400
CLASSIFICATION	Public
Lot Size (sq. ft.)	6,375
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	4	1,030	4120
Personal Protection Equipment	Man-days	16	15	240
Excavation - Mechanical	CY	154	60.63	9337
Excavation - Manual	CY	8	72.5	580
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF	10	0.97	9.7
RESTORATION				
Backfill	CY	162	15	2430
Sod (planting)	SF	4386	0.44	1929.8
Fencing (installed)	LF	10	10	100
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	162	12.48	2021.8
TOTAL DIRECT CAPITAL COSTS				21538

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	MP1732
CLASSIFICATION	Public
Lot Size (sq. ft.)	6,400
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY	53	60.63	3213.4
Excavation - Manual	CY	6	72.5	435
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF	50	0.97	48.5
RESTORATION				
Backfill	CY	59	15	885
Sod (planting)	SF	3178	0.44	1398.3
Fencing (installed)	LF	50	10	500
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	12	25	300
DISPOSAL				
Special Wastes (transp/disposal)	CY	59	12.48	736.32
TOTAL DIRECT CAPITAL COSTS				10467

Small equipment needed.

Assume retaining wall does NOT have to be replaced.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	DE2001
CLASSIFICATION	Public
Lot Size (sq. ft.)	12,500
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY	96	60.63	5820.5
Excavation - Manual	CY	11	72.5	797.5
Removal & Disposal of Shrubs/Trees/Debris	CY	2	45	90
Removal of Fences	LF	46	0.97	44.62
RESTORATION				
Backfill	CY	107	15	1605
Sod (planting)	SF	5780	0.44	2543.2
Fencing (installed)	LF	46	10	460
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	107	12.48	1335.4
TOTAL DIRECT CAPITAL COSTS				15601

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	NI1500
CLASSIFICATION	Public
Lot Size (sq. ft.)	20,160
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	4	1,030	4120
Personal Protection Equipment	Man-days	16	15	240
Excavation - Mechanical	CY	66	60.63	4001.6
Excavation - Manual	CY	17	72.5	1232.5
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY	83	15	1245
Sod (planting)	SF	20,160	0.44	8870.4
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	83	12.48	1035.8
TOTAL DIRECT CAPITAL COSTS				21515

No buildings.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	OH2025
CLASSIFICATION	Public
Lot Size (sq. ft.)	37,400
Remediate (inches)	3

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	6	1,030	6180
Personal Protection Equipment	Man-days	24	15	360
Excavation - Mechanical	CY	332	60.63	20129
Excavation - Manual	CY	6	72.5	435
Removal & Disposal of Shrubs/Trees/Debris	CY		45	0
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY	331	15	4965
Sod (planting)	SF	35,800	0.44	15752
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY	7	15	105
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	338	12.48	4218.2
TOTAL DIRECT CAPITAL COSTS				52869

Assume sidewalk is 3" thick for gravel replacement.

APPENDIX 6

ADMINISTRATIVE COST DEVELOPMENT

Weekly Project Administration

Labor

<u>Category</u>	<u>Hours</u>	<u>Rate</u>	<u>Total</u>
Project Director	10	\$90	\$ 900
Project Manager	40	\$75	\$3,000
Administrative Assistant	40	\$35	\$1,400
Disposal Coordinator	40	\$45	\$1,800
Total Labor			\$7,100

(Note: Costs shown are for administration of one or two field crews. If three field crews are being used, weekly project administration costs would increase by \$1,800 to account for an additional Disposal Coordinator. Likewise, another Coordinator would have to be added for each two additional field crews.)

Equipment and Supplies

<u>Item</u>	<u>Rate</u>
Office Trailer	\$ 90
Utilities	\$ 40
Phone	\$ 50
Porta-John	\$ 40
Dumpster	\$ 50
Office Supplies	\$ 40
Miscellaneous	\$ 150
Total Equipment and Supplies	\$ 460
Total Weekly Administrative Costs	\$7,560

Total Project Administration Costs

<u>No. of Crews</u>	<u>Weekly Admin. Cost (\$)</u>	<u>Yearly Cost (\$)</u>	<u>Remediation Schedule (Years)</u>		<u>Total Project Administrative Cost (\$)</u>	
			<u>@500</u>	<u>@1000</u>	<u>@500ppm</u>	<u>@1000ppm</u>
One	7,600	364,800	15.1	5.8	5,508,480	2,115,840
Two	7,600	364,800	7.5	2.9	2,736,000	1,057,920
Three	9,400	451,200	5.0	1.9	2,256,000	857,280
Four	9,400	451,200	3.8	1.4	1,714,560	631,680
Five	11,200	537,600	3.0	1.2	1,612,800	645,120
Six	11,200	537,600	2.5	1.0	1,344,000	537,600
Seven	13,000	624,000	2.2	0.8	1,372,800	499,200
Eight	13,000	624,000	1.9	0.7	1,185,600	449,280
Nine	14,800	710,400	1.7	0.6	1,207,680	426,240
Ten	14,800	710,400	1.5	0.58	1,065,600	412,032

Assumptions:

1. Administrative crews will work 48 weeks per year.
2. There will be nine months (or approximately 39 weeks) of production time per year.
3. Each field crew can remediate 2 properties per week, or a total of 78 properties per year.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	BE1924
CLASSIFICATION	RES1
Lot Size (sq. ft.)	4,125
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY	17	60.63	1030.7
Excavation - Manual	CY	8	72.5	580
Removal & Disposal of Shrubs/Trees/Debris	CY	5	45	225
Removal of Fences	LF	88	0.97	85.36
RESTORATION				
Backfill	CY	25	15	375
Sod (planting)	SF	1350	0.44	594
Fencing (installed)	LF	88	10	880
Concrete retaining wall	CY	3	350	1050
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	25	12.48	312
TOTAL DIRECT CAPITAL COSTS				8037.1

Small equipment needed.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	MA2031
CLASSIFICATION	RES1
Lot Size (sq. ft.)	4,200
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (& Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY	75	60.63	4547.3
Excavation - Manual	CY	13	72.5	942.5
Removal & Disposal of Shrubs/Trees/Debris	CY	2	45	90
Removal of Fences	LF	56	0.97	54.32
RESTORATION				
Backfill	CY	58	15	840
Sod (planting)	SF	1514	0.44	666.16
Fencing (installed)	LF	56	10	560
Concrete	CY		60	0
Gravel & Grading	CY	32	15	480
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	6	25	150
DISPOSAL				
Special Wastes (transp/disposal)	CY	88	12.48	1098.2
TOTAL DIRECT CAPITAL COSTS				12333

Assume driveway is 12" thick for gravel replacement.
Small equipment needed.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	ST2121
CLASSIFICATION	RES1
Lot Size (sq. ft.)	4,750
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY	48	60.63	2910.2
Excavation - Manual	CY	2	72.5	145
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY	50	15	750
Sod (planting)	SF	2701	0.44	1188.4
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	1	25	25
DISPOSAL				
Special Wastes (transp/disposal)	CY	50	12.48	624
TOTAL DIRECT CAPITAL COSTS				8592.7

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	NI0834
CLASSIFICATION	RES1
Lot Size (sq. ft.)	4,750
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY	33	60.63	2000.8
Excavation - Manual	CY	4	72.5	290
Removal & Disposal of Shrubs/Trees/Debris	CY		45	0
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY	37	15	555
Sod (planting)	SF	1979	0.44	870.76
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	37	12.48	461.76
TOTAL DIRECT CAPITAL COSTS				7083.3

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	IO0905
CLASSIFICATION	RES1
Lot Size (sq. ft.)	4,780
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMobilIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY	45	60.63	2728.4
Excavation - Manual	CY	2	72.5	145
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY	47	15	705
Sod (planting)	SF	2547	0.44	1120.7
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	30	25	750
DISPOSAL				
Special Wastes (transp/disposal)	CY	47	12.48	586.56
TOTAL DIRECT CAPITAL COSTS				8985.6

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	DE2260
CLASSIFICATION	RES1
Lot Size (sq. ft.)	5,500
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMobilIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	1	1,030	1030
Personal Protection Equipment	Man-days	4	15	60
Excavation - Mechanical	CY	62	60.63	3759.1
Excavation - Manual	CY	3	72.5	217.5
Removal & Disposal of Shrubs/Trees/Debris	CY	2	45	90
Removal of Fences	LF	48	0.97	46.56
RESTORATION				
Backfill	CY	65	15	975
Sod (planting)	SF	3526	0.44	1551.4
Fencing (installed)	LF	48	10	480
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	20	25	500
DISPOSAL				
Special Wastes (transp/disposal)	CY	65	12.48	811.2
TOTAL DIRECT CAPITAL COSTS				10246

Remediation depth at 6".

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	ED2235
CLASSIFICATION	RES1
Lot Size (sq. ft.)	5,625
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY	63	60.63	3819.7
Excavation - Manual	CY	4	72.5	290
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF	55	0.97	53.35
RESTORATION				
Backfill	CY	60	15	900
Sod (planting)	SF	3231	0.44	1421.6
Fencing (installed)	LF	55	10	550
Concrete	CY		60	0
Gravel & Grading	CY	7	15	105
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	2	25	50
DISPOSAL				
Special Wastes (transp/disposal)	CY	67	12.48	836.16
TOTAL DIRECT CAPITAL COSTS				10976

Assume driveway is 6" thick for gravel replacement.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	ST2231
CLASSIFICATION	RES1
Lot Size (sq. ft.)	5,625
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMobilIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	3	1,030	3090
Personal Protection Equipment	Man-days	12	15	180
Excavation - Mechanical	CY	155	60.63	9397.7
Excavation - Manual	CY	8	72.5	580
Removal & Disposal of Shrubs/Trees/Debris	CY	5	45	225
Removal of Fences	LF	178	0.97	172.66
RESTORATION				
Backfill	CY	151	15	2265
Sod (planting)	SF	4064	0.44	1788.2
Fencing (installed)	LF	178	10	1780
Concrete	CY		60	0
Gravel & Grading	CY	12	15	180
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	4	25	100
DISPOSAL				
Special Wastes (transp/disposal)	CY	163	12.48	2034.2
TOTAL DIRECT CAPITAL COSTS				22518

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	IO1222
CLASSIFICATION	RES1
Lot Size (sq. ft.)	5,740
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMobilIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY	84	60.63	5092.9
Excavation - Manual	CY	2	72.5	145
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY	83	15	1245
Sod (planting)	SF	4481	0.44	1971.6
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY	3	15	45
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	86	12.48	1073.3
TOTAL DIRECT CAPITAL COSTS				12523

Assume driveway is 6" thick for gravel replacement.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	OL1740
CLASSIFICATION	RES1
Lot Size (sq. ft.)	5,760
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMobilIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY	90	60.63	5456.7
Excavation - Manual	CY	5	72.5	362.5
Removal & Disposal of Shrubs/Trees/Debris	CY	5	45	225
Removal of Fences	LF	36	0.97	34.92
RESTORATION				
Backfill	CY	95	15	1425
Sod (planting)	SF	2564	0.44	1128.2
Fencing (installed)	LF	36	10	360
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	3	25	75
DISPOSAL				
Special Wastes (transp/disposal)	CY	95	12.48	1185.6
TOTAL DIRECT CAPITAL COSTS				13158

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	ST1022
CLASSIFICATION	RES1
Lot Size (sq. ft.)	5,825
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	3	1,030	3090
Personal Protection Equipment	Man-days	12	15	180
Excavation - Mechanical	CY	156	60.63	9458.3
Excavation - Manual	CY	8	72.5	580
Removal & Disposal of Shrubs/Trees/Debris	CY	5	45	225
Removal of Fences	LF	30	0.97	29.1
RESTORATION				
Backfill	CY	155	15	2325
Sod (planting)	SF	4,184	0.44	1841
Fencing (installed)	LF	30	10	300
Concrete	CY		60	0
Gravel & Grading	CY	9	15	135
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	3	25	75
DISPOSAL				
Special Wastes (transp/disposal)	CY	164	12.48	2046.7
TOTAL DIRECT CAPITAL COSTS				21010

Assume driveway is 12" thick for gravel replacement.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	MA1429
CLASSIFICATION	RES1
Lot Size (sq. ft.)	6,000
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY	110	60.63	6669.3
Excavation - Manual	CY	6	72.5	435
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY	116	15	1740
Sod (planting)	SF	3123	0.44	1374.1
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	1	25	25
DISPOSAL				
Special Wastes (transp/disposal)	CY	116	12.48	1447.7
TOTAL DIRECT CAPITAL COSTS				14641

Note: Already completed by OHM.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	GR1734
CLASSIFICATION	RES1
Lot Size (sq. ft.)	6,000
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	3	1,030	3090
Personal Protection Equipment	Man-days	12	15	180
Excavation - Mechanical	CY	164	60.63	9943.3
Excavation - Manual	CY	9	72.5	652.5
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF	155	0.97	150.35
RESTORATION				
Backfill	CY	149	15	2235
Sod (planting)	SF	4017	0.44	1767.5
Fencing (installed)	LF	155	10	1550
Concrete	CY		60	0
Gravel & Grading	CY	24	15	360
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	1	25	25
DISPOSAL				
Special Wastes (transp/disposal)	CY	173	12.48	2159
TOTAL DIRECT CAPITAL COSTS				22883

Assume driveway is 12" thick for gravel replacement.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	ST2223
CLASSIFICATION	RES1
Lot Size (sq. ft.)	6,250
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY	60	60.63	3637.8
Excavation - Manual	CY	3	72.5	217.5
Removal & Disposal of Shrubs/Trees/Debris	CY	5	45	225
Removal of Fences	LF	120	0.97	116.4
RESTORATION				
Backfill	CY	63	15	945
Sod (planting)	SF	3400	0.44	1496
Fencing (installed)	LF	120	10	1200
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	20	25	500
DISPOSAL				
Special Wastes (transp/disposal)	CY	63	12.48	786.24
TOTAL DIRECT CAPITAL COSTS				12029

Assume garage does not collapse.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	ED2224
CLASSIFICATION	RES1
Lot Size (sq. ft.)	6,000
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY	76	60.63	4607.9
Excavation - Manual	CY	4	72.5	290
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF	45	0.97	43.65
RESTORATION				
Backfill	CY	68	15	1020
Sod (planting)	SF	3694	0.44	1625.4
Fencing (installed)	LF	45	10	450
Concrete	CY		60	0
Gravel & Grading	CY	12	15	180
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	2	25	50
DISPOSAL				
Special Wastes (transp/disposal)	CY	80	12.48	998.4
TOTAL DIRECT CAPITAL COSTS				12215

Assume driveway is 6" thick for gravel replacement.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	DE2242
CLASSIFICATION	RES1
Lot Size (sq. ft.)	6,250
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	1	1,030	1030
Personal Protection Equipment	Man-days	4	15	60
Excavation - Mechanical	CY	48	60.63	2789
Excavation - Manual	CY	2	72.5	145
Removal & Disposal of Shrubs/Trees/Debris	CY	5	45	225
Removal of Fences	LF	190	0.97	184.3
RESTORATION				
Backfill	CY	48	15	720
Sod (planting)	SF	2570	0.44	1130.8
Fencing (installed)	LF	190	10	1900
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	2	25	50
DISPOSAL				
Special Wastes (transp/disposal)	CY	48	12.48	599.04
TOTAL DIRECT CAPITAL COSTS				9558.1

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	AD2116
CLASSIFICATION	RES1
Lot Size (sq. ft.)	6,250
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY	86	60.63	5214.2
Excavation - Manual	CY	5	72.5	362.5
Removal & Disposal of Shrubs/Trees/Debris	CY	5	45	225
Removal of Fences	LF	250	0.97	242.5
RESTORATION				
Backfill	CY	78	15	1170
Sod (planting)	SF	4190	0.44	1843.6
Fencing (installed)	LF	250	10	2500
Concrete	CY		60	0
Gravel & Grading	CY	13	15	195
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	2	25	50
DISPOSAL				
Special Wastes (transp/disposal)	CY	91	12.48	1135.7
TOTAL DIRECT CAPITAL COSTS				15843

Fence off sidewalk to house to allow occupant access.
 Assume gravel driveway is 6" thick for gravel replacement.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	BE1935
CLASSIFICATION	RES1
Lot Size (sq. ft.)	6,250
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMobilIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	4	1,030	4120
Personal Protection Equipment	Man-days	16	15	240
Excavation - Mechanical	CY	58	60.63	3516.5
Excavation - Manual	CY	14	72.5	1015
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF	35	0.97	33.95
RESTORATION				
Backfill	CY	52	15	780
Sod (planting)	SF	2790	0.44	1227.6
Fencing (installed)	LF	35	10	350
Concrete	CY		60	0
Gravel & Grading	CY	20	15	300
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	3	25	75
DISPOSAL				
Special Wastes (transp/disposal)	CY	72	12.48	898.56
TOTAL DIRECT CAPITAL COSTS				13327

Assume gravel driveway is 6" thick for gravel replacement.
Small equipment needed.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	WT2612
CLASSIFICATION	RES1
Lot Size (sq. ft.)	6,250
Remediate (inches)	3

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	1	1,030	1030
Personal Protection Equipment	Man-days	4	15	60
Excavation - Mechanical	CY	35	60.63	2122.1
Excavation - Manual	CY	2	72.5	145
Removal & Disposal of Shrubs/Trees/Debris	CY	2	45	90
Removal of Fences	LF	40	0.97	38.8
RESTORATION				
Backfill	CY	36	15	540
Sod (planting)	SF	3867	0.44	1701.5
Fencing (installed)	LF	40	10	400
Concrete	CY		60	0
Gravel & Grading	CY	1	15	15
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	37	12.48	461.76
TOTAL DIRECT CAPITAL COSTS				7329.1

Fence off sidewalk for occupant access.
Assume driveway is 3" thick for gravel replacement.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	101338
CLASSIFICATION	RES1
Lot Size (sq. ft.)	6,375
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	3	1,030	3090
Personal Protection Equipment	Man-days	12	15	180
Excavation - Mechanical	CY	146	60.63	8852
Excavation - Manual	CY	8	72.5	580
Removal & Disposal of Shrubs/Trees/Debris	CY	5	45	225
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY	113	15	1695
Sod (planting)	SF	3043	0.44	1338.9
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY	41	15	615
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	154	12.48	1921.9
TOTAL DIRECT CAPITAL COSTS				19223

Assume driveway is 12" thick for gravel replacement.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	ST1344
CLASSIFICATION	RES5
Lot Size (sq. ft.)	5,825
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	3	1,030	3090
Personal Protection Equipment	Man-days	12	15	180
Excavation - Mechanical	CY	109	60.63	6608.7
Excavation - Manual	CY	12	72.5	870
Removal & Disposal of Shrubs/Trees/Debris	CY	2	45	90
Removal of Fences	LF	10	0.97	9.7
RESTORATION				
Backfill	CY	87	15	1305
Sod (planting)	SF	2350	0.44	1034
Fencing (installed)	LF	10	10	100
Concrete	CY		60	0
Gravel & Grading	CY	34	15	510
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	121	12.48	1510.1
TOTAL DIRECT CAPITAL COSTS				16032

Small equipment needed.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	ST2201
CLASSIFICATION	RES8
Lot Size (sq. ft.)	6,250
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMobilIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	1	1,030	1030
Personal Protection Equipment	Man-days	4	15	60
Excavation - Mechanical	CY	15	60.63	909.45
Excavation - Manual	CY	1	72.5	72.5
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY	16	15	240
Sod (planting)	SF	875	0.44	385
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	1	25	25
DISPOSAL				
Special Wastes (transp/disposal)	CY	16	12.48	199.68
TOTAL DIRECT CAPITAL COSTS				3691.6

Soil is only located between street & sidewalk.
(estimate size of 5'x125' & 5'x150')

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	ED2212/14
CLASSIFICATION	RES4
Lot Size (sq. ft.)	6,250
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY	45	60.63	2728.4
Excavation - Manual	CY	2	72.5	145
Removal & Disposal of Shrubs/Trees/Debris	CY	5	45	225
Removal of Fences	LF	88	0.97	85.36
RESTORATION				
Backfill	CY	28	15	420
Sod (planting)	SF	1530	0.44	673.2
Fencing (installed)	LF	88	10	880
Concrete	CY		60	0
Gravel & Grading	CY	19	15	285
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	12	25	300
DISPOSAL				
Special Wastes (transp/disposal)	CY	47	12.48	586.56
TOTAL DIRECT CAPITAL COSTS				9233.5

Assume gravel driveway is 6" thick for gravel replacement.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	NI0915/17
CLASSIFICATION	RES3
Lot Size (sq. ft.)	9,625
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	4	1,030	4120
Personal Protection Equipment	Man-days	16	15	240
Excavation - Mechanical	CY	207	60.63	12550
Excavation - Manual	CY	23	72.5	1667.5
Removal & Disposal of Shrubs/Trees/Debris	CY	5	45	225
Removal of Fences	LF	40	0.97	38.8
RESTORATION				
Backfill	CY	199	15	2985
Sod (planting)	SF	5374	0.44	2364.6
Fencing (installed)	LF	40	10	400
Concrete	CY		60	0
Gravel & Grading	CY	31	15	465
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	10	25	250
DISPOSAL				
Special Wastes (transp/disposal)	CY	130	12.48	1622.4
TOTAL DIRECT CAPITAL COSTS				27654

Assume gravel is 12" thick.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	NI1245/55
CLASSIFICATION	RES3
Lot Size (sq. ft.)	23,375
Remediate (inches)	3

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	4	1,030	4120
Personal Protection Equipment	Man-days	16	15	240
Excavation - Mechanical	CY	170	60.63	10307
Excavation - Manual	CY	19	72.5	1377.5
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF	30	0.97	29.1
RESTORATION				
Backfill	CY	172	15	2580
Sod (planting)	SF	18537	0.44	8156.3
Fencing (installed)	LF	30	10	300
Concrete	CY		60	0
Gravel & Grading	CY	17	15	255
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	3	25	75
DISPOSAL				
Special Wastes (transp/disposal)	CY	189	12.48	2358.7
TOTAL DIRECT CAPITAL COSTS				30569

Assume parking lot is 3" thick for gravel replacement.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	GR2016/18
CLASSIFICATION	RES2
Lot Size (sq. ft.)	4,080
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	1	1,030	1030
Personal Protection Equipment	Man-days	4	15	60
Excavation - Mechanical	CY	48	60.63	2910.2
Excavation - Manual	CY	2	72.5	145
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF	30	0.97	29.1
RESTORATION				
Backfill	CY	50	15	750
Sod (planting)	SF	2685	0.44	1181.4
Fencing (installed)	LF	30	10	300
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	1	25	25
DISPOSAL				
Special Wastes (transp/disposal)	CY	50	12.48	624
TOTAL DIRECT CAPITAL COSTS				7824.7

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	NI837/39
CLASSIFICATION	RES2
Lot Size (sq. ft.)	4,875
Remediate (Inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY	98	60.63	5941.7
Excavation - Manual	CY	5	72.5	362.5
Removal & Disposal of Shrubs/Trees/Debris	CY	5	45	225
Removal of Fences	LF	45	0.97	43.65
RESTORATION				
Backfill	CY	103	15	1545
Sod (planting)	SF	2775	0.44	1221
Fencing (installed)	LF	45	10	450
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	103	12.48	1285.4
TOTAL DIRECT CAPITAL COSTS				13979

Fence off sidewalk for occupant access.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	OL1646/48
CLASSIFICATION	RES2
Lot Size (sq. ft.)	5,120
Remediate (inches)	3

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	1	1,030	1030
Personal Protection Equipment	Man-days	4	15	60
Excavation - Mechanical	CY	6	60.63	363.78
Excavation - Manual	CY	1	72.5	72.5
Removal & Disposal of Shrubs/Trees/Debris	CY	25	45	1125
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY	7	15	105
Sod (planting)	SF	708	0.44	311.52
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	10	25	250
DISPOSAL				
Special Wastes (transp/disposal)	CY	7	12.48	87.36
TOTAL DIRECT CAPITAL COSTS				4130.2

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	DE1625A/B
CLASSIFICATION	RES2
Lot Size (sq. ft.)	5,625
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	3	1,030	3090
Personal Protection Equipment	Man-days	12	15	180
Excavation - Mechanical	CY	135	60.63	8185.1
Excavation - Manual	CY	7	72.5	507.5
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF	14	0.97	13.58
RESTORATION				
Backfill	CY	142	15	2130
Sod (planting)	SF	3831	0.44	1685.6
Fencing (installed)	LF	14	10	140
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	.0
DISPOSAL				
Special Wastes (transp/disposal)	CY	142	12.48	1772.2
TOTAL DIRECT CAPITAL COSTS				18474

Vacant.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	DE2125/27
CLASSIFICATION	RES2
Lot Size (sq. ft.)	6,250
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY	56	60.63	3395.3
Excavation - Manual	CY	7	72.5	507.5
Removal & Disposal of Shrubs/Trees/Debris	CY	2	45	90
Removal of Fences	LF	50	0.97	48.5
RESTORATION				
Backfill	CY	54	15	810
Sod (planting)	SF	2936	0.44	1291.8
Fencing (installed)	LF	50	10	500
Concrete	CY		60	0
Gravel & Grading	CY	9	15	135
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	1	25	25
DISPOSAL				
Special Wastes (transp/disposal)	CY	63	12.48	786.24
TOTAL DIRECT CAPITAL COSTS				10494

Assume driveway is 6" thick for gravel replacement.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	CL2209/11
CLASSIFICATION	RES2
Lot Size (sq. ft.)	6,250
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	3	1,030	3090
Personal Protection Equipment	Man-days	12	15	180
Excavation - Mechanical	CY	53	60.63	3213.4
Excavation - Manual	CY	6	72.5	435
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF	160	0.97	155.2
RESTORATION				
Backfill	CY	59	15	885
Sod (planting)	SF	3190	0.44	1403.6
Fencing (installed)	LF	160	10	1600
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	1	25	25
DISPOSAL				
Special Wastes (transp/disposal)	CY	59	12.48	736.32
TOTAL DIRECT CAPITAL COSTS				12494

Small equipment needed.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	BE2153/55
CLASSIFICATION	RES2
Lot Size (sq. ft.)	6,250
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	3	1,030	3090
Personal Protection Equipment	Man-days	12	15	180
Excavation - Mechanical	CY	51	60.63	3092.1
Excavation - Manual	CY	13	72.5	942.5
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF	350	0.97	339.5
RESTORATION				
Backfill	CY	64	15	960
Sod (planting)	SF	3450	0.44	1518
Fencing (installed)	LF	350	10	3500
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	3	25	75
DISPOSAL				
Special Wastes (transp/disposal)	CY	64	12.48	798.72
TOTAL DIRECT CAPITAL COSTS				15266

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	WS0919/21
CLASSIFICATION	RES2
Lot Size (sq. ft.)	9,375
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	3	1,030	3090
Personal Protection Equipment	Man-days	12	15	180
Excavation - Mechanical	CY	137	60.63	8306.3
Excavation - Manual	CY	7	72.5	507.5
Removal & Disposal of Shrubs/Trees/Debris	CY	5	45	225
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY	144	15	2160
Sod (planting)	SF	7795	0.44	3429.8
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	2	25	50
DISPOSAL				
Special Wastes (transp/disposal)	CY	144	12.48	1797.1
TOTAL DIRECT CAPITAL COSTS				20471

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	100811
CLASSIFICATION	RES2
Lot Size (sq. ft.)	10,585
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY	36	60.63	2182.7
Excavation - Manual	CY	4	72.5	290
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF	20	0.97	19.4
RESTORATION				
Backfill	CY	15	15	225
Sod (planting)	SF	7185	0.44	3161.4
Fencing (installed)	LF	20	10	200
Concrete	CY		60	0
Gravel & Grading	CY	25	15	375
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	40	12.48	499.2
TOTAL DIRECT CAPITAL COSTS				9902.7

Assume driveway is 6" thick for gravel replacement.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	ST1638/40
CLASSIFICATION	RES2
Lot Size (sq. ft.)	12,500
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	6	1,030	6180
Personal Protection Equipment	Man-days	24	15	360
Excavation - Mechanical	CY	323	60.63	19583
Excavation - Manual	CY	17	72.5	1232.5
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY	321	15	4815
Sod (planting)	SF	8666	0.44	3813
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY	19	15	285
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	340	12.48	4243.2
TOTAL DIRECT CAPITAL COSTS				41282

Assume driveway is 12" thick for gravel replacement.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	KE1614/16
CLASSIFICATION	RES2
Lot Size (sq. ft.)	12,650
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	5	1,030	5150
Personal Protection Equipment	Man-days	20	15	300
Excavation - Mechanical	CY	296	60.63	17946
Excavation - Manual	CY	16	72.5	1160
Removal & Disposal of Shrubs/Trees/Debris	CY	5	45	225
Removal of Fences	LF	30	0.97	29.1
RESTORATION				
Backfill	CY	312	15	4680
Sod (planting)	SF	8416	0.44	3703
Fencing (installed)	LF	30	10	300
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	14	25	350
DISPOSAL				
Special Wastes (transp/disposal)	CY	312	12.48	3893.8
TOTAL DIRECT CAPITAL COSTS				38462

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	TT1510
CLASSIFICATION	RES1
Lot Size (sq. ft.)	2,500
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	1	1,030	1030
Personal Protection Equipment	Man-days	4	15	60
Excavation - Mechanical	CY	17	60.63	1030.7
Excavation - Manual	CY	4	72.5	290
Removal & Disposal of Shrubs/Trees/Debris	CY	2	45	90
Removal of Fences	LF	10	0.97	9.7
RESTORATION				
Backfill	CY	21	15	315
Sod (planting)	SF	1135	0.44	499.4
Fencing (installed)	LF	10	10	100
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	2	12.48	24.96
DISPOSAL				
Special Wastes (transp/disposal)	CY	21	12.48	262.08
TOTAL DIRECT CAPITAL COSTS				4436.9

Fence off sidewalk for occupant access.
Assume grass patio has clean fill.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	GR0925
CLASSIFICATION	RES1
Lot Size (sq. ft.)	2,950
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	1	1,030	1030
Personal Protection Equipment	Man-days	4	15	60
Excavation - Mechanical	CY	18	60.63	1091.3
Excavation - Manual	CY	1	72.5	72.5
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY		15	0
Sod (planting)	SF		0.44	0
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY	19	15	285
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	19	12.48	237.12
TOTAL DIRECT CAPITAL COSTS				3546

Assume driveway 1/3 gravel at 12" for gravel replacement.
Confirm gravel only.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	WS0815
CLASSIFICATION	RES1
Lot Size (sq. ft.)	3,190
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	1	1,030	1030
Personal Protection Equipment	Man-days	4	15	60
Excavation - Mechanical	CY	22	60.63	1333.9
Excavation - Manual	CY	1	72.5	72.5
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY	23	15	345
Sod (planting)	SF	1257	0.44	553.08
Fencing (installed)	LF		10	0
Concrete retaining wall	CY	0.15	400	60
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence	4	25	100
DISPOSAL				
Special Wastes (transp/disposal)	CY	23	12.48	287.04
TOTAL DIRECT CAPITAL COSTS				4611.5

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	MP1628
CLASSIFICATION	RES1
Lot Size (sq. ft.)	3,200
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY	25	60.63	1515.8
Excavation - Manual	CY	6	72.5	435
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF	20	0.97	19.4
RESTORATION				
Backfill	CY	31	15	465
Sod (planting)	SF	1680	0.44	739.2
Fencing (installed)	LF	20	10	200
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	31	12.48	386.88
TOTAL DIRECT CAPITAL COSTS				6711.2

Small equipment needed.

APPENDIX 5
INDIVIDUAL PROPERTY COST CALCULATIONS

COST ASSUMPTIONS

The cost estimates for remediation and restoration of the stack emission properties were developed based on the following qualifications and assumptions:

1. Mobilization/demobilization costs are for local contractors. Sufficient qualified labor is available locally to support the project needs.
2. All required utilities are available at the site(s).
3. Excavation activities will be performed under Level D Personal Protective Equipment (PPE) conditions.
4. Industrial hygiene monitoring of personnel will be conducted during excavation.
5. Area sampling using hi-volume samplers will be conducted during excavation.
6. No additional pre-excavation sampling of the properties will be required.
7. Three post-excavation samples will be collected and analyzed for total lead.
8. Clean backfill and top soil are available within a 30 mile radius in sufficient quantities.
9. One cubic yard of soil equals 1.5 tons.
10. An allowance of \$25 per residence has been included to create a "pool" for repair of special items, such as sidewalks, curbs, foundations, etc., that may be damaged during remediation.
11. Each truck can haul 15 cubic yards of soil.
12. Costs have been obtained from various sources, including disposal facilities, landscapers, standard cost data, experience and construction contractors.
13. All costs are in 1994 dollars and do not include contingency allowances.
14. Relocation costs for residents during construction are not included.
15. EPA, state agency and other agency costs are not included.
16. Operation and maintenance costs are not included.
17. Administrative crews will work 48 weeks per year.
18. There will be 9 months (or approximately 39 weeks) of production time per year and each field crew will be able to remediate two lots per week..

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	GR1120
CLASSIFICATION	Vacant
Lot Size (sq. ft.)	3,125
Remediate (inches)	none

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	0	375	0
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	0	350	0
Air Monitoring	Days	0	1,030	0
Personal Protection Equipment	Man-days	0	15	0
Excavation - Mechanical	CY		60.63	0
Excavation - Manual	CY		72.5	0
Removal & Disposal of Shrubs/Trees/Debris	CY		45	0
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY		15	0
Sod (planting)	SF		0.44	0
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY		12.48	0
TOTAL DIRECT CAPITAL COSTS				0

All asphalt.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	NI0829
CLASSIFICATION	Vacant
Lot Size (sq. ft.)	4,750
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	3	1,030	3090
Personal Protection Equipment	Man-days	12	15	180
Excavation - Mechanical	CY	172	60.63	10428
Excavation - Manual	CY	4	72.5	290
Removal & Disposal of Shrubs/Trees/Debris	CY		45	0
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY	176	15	2640
Sod (planting)	SF	4750	0.44	2090
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	176	12.48	2196.5
TOTAL DIRECT CAPITAL COSTS				21640

No buildings.

Assume removal of concrete pad 38'x10' with no replacement.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	ST1004
CLASSIFICATION	Vacant
Lot Size (sq. ft.)	5,825
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMObILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY	122	60.63	7396.9
Excavation - Manual	CY	3	72.5	217.5
Removal & Disposal of Shrubs/Trees/Debris	CY		45	0
Removal of Fences	LF	50	0.97	48.5
RESTORATION				
Backfill	CY	71	15	1065
Sod (planting)	SF	1925	0.44	847
Fencing (installed)	LF	50	10	500
Concrete	CY		60	0
Gravel & Grading	CY	54	15	810
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	125	12.48	1560
TOTAL DIRECT CAPITAL COSTS				15350

Estimate 2/3 of lot covered by asphalt/gravel.

Assume a total of 1/4 covered by gravel & gravel replaced to 12" depth.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	BE1931
CLASSIFICATION	Vacant
Lot Size (sq. ft.)	6,250
Remediate (inches)	6

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY	113	60.63	6851.2
Excavation - Manual	CY	2	72.5	145
Removal & Disposal of Shrubs/Trees/Debris	CY		45	0
Removal of Fences	LF	300	0.97	291
RESTORATION				
Backfill	CY	115	15	1725
Sod (planting)	SF	6250	0.44	2750
Fencing (installed)	LF	300	10	3000
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	115	12.48	1435.2
TOTAL DIRECT CAPITAL COSTS				19102

Vacant.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	OH2036
CLASSIFICATION	Vacant
Lot Size (sq. ft.)	8,750
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	6	1,030	6180
Personal Protection Equipment	Man-days	24	15	360
Excavation - Mechanical	CY	318	60.63	19280
Excavation - Manual	CY	6	72.5	435
Removal & Disposal of Shrubs/Trees/Debris	CY		45	0
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY	324	15	4860
Sod (planting)	SF	8750	0.44	3850
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	324	12.48	4043.5
TOTAL DIRECT CAPITAL COSTS				39734

(No buildings.)

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	GR0911
CLASSIFICATION	Vacant
Lot Size (sq. ft.)	11,800
Remediate (inches)	3

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	2	1,030	2060
Personal Protection Equipment	Man-days	8	15	120
Excavation - Mechanical	CY	107	60.63	6487.4
Excavation - Manual	CY	2	72.5	145
Removal & Disposal of Shrubs/Trees/Debris	CY	1	45	45
Removal of Fences	LF	40	0.97	38.8
RESTORATION				
Backfill	CY	109	15	1635
Sod (planting)	SF	11800	0.44	5192
Fencing (installed)	LF	40	10	400
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	109	12.48	1360.3
TOTAL DIRECT CAPITAL COSTS				18209

Assume removal of concrete pad 12'x15' with no replacement.

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	ME0640
CLASSIFICATION	VACANT
Lot Size (sq. ft.)	12,000
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMOBILIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	8	1,030	8240
Personal Protection Equipment	Man-days	32	15	480
Excavation - Mechanical	CY	436	60.63	26435
Excavation - Manual	CY	8	72.5	580
Removal & Disposal of Shrubs/Trees/Debris	CY		45	0
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY	444	15	6660
Sod (planting)	SF	12,000	0.44	5280
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	444	12.48	5541.1
TOTAL DIRECT CAPITAL COSTS				53941

(No buildings.)

INDIVIDUAL PROPERTY DIRECT CAPITAL COSTS

ADDRESS CODE	NT1308
CLASSIFICATION	RES4
Lot Size (sq. ft.)	3,200
Remediate (inches)	12

Item	Unit	Quantity	Unit Cost	Cost
MOBILIZATION/DEMobilIZATION	Lot	1	375	375
SOIL REMOVAL				
Sampling (Post-Excavation)	Lot	1	350	350
Air Monitoring	Days	1	1,030	1030
Personal Protection Equipment	Man-days	4	15	60
Excavation - Mechanical	CY	11	60.63	666.93
Excavation - Manual	CY	1	72.5	72.5
Removal & Disposal of Shrubs/Trees/Debris	CY		45	0
Removal of Fences	LF		0.97	0
RESTORATION				
Backfill	CY	12	15	180
Sod (planting)	SF	320	0.44	140.8
Fencing (installed)	LF		10	0
Concrete	CY		60	0
Gravel & Grading	CY		15	0
Asphalt	SY		15	0
Misc. Repair (shrubs, trees)	Residence		25	0
DISPOSAL				
Special Wastes (transp/disposal)	CY	12	12.48	149.76
TOTAL DIRECT CAPITAL COSTS				3025

Calculated approximately 25 SF to be remediated. (Changed to 10% of total SF due to uncertainty.)

6. Other features requiring consideration ⁽¹⁾⁽²⁾

None

7. Fencing ⁽¹⁾

very high Type chainlink LF 32 Ht 3' Amt Requiring Removal 0

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

None

9. Contractor Access Notes:

Access ~~not~~ almost completely covered
w/concrete.

10. Temporary Resident Access Notes:

None

11. Equipment Notes:

None

12. Miscellaneous Comments:

None

0-12" removed
Volume of soil to be excavated _____
Estimated excavation time 1.5 day . 5 day.
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: NT 1308
Classification: RES 4Survey Date: 2/1/94
Survey Team: RLS JLD1. Lot Size: 32' x 100' sq. ft.Store front 1st floor
Apt's above.2. Area Occupied by Structures ⁽¹⁾Building 30' x 92'
House
Garage none
Storage Buildings

0-12" removal

 sq. ft.
 sq. ft.
 sq. ft.3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>none</u>	<u> </u>	<u> </u>
Patios <u>none</u>	<u> </u>	<u> </u>
Sidewalks <u>(12' x 14') + (30' x 10')</u>	<u> </u>	<u>concrete</u>
Other (Specify) <u> </u>	<u> </u>	<u> </u>

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u> </u>	<u>3</u>	<u>12' x 12'</u>	<u>NO</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>none</u>	<u> </u>	<u> </u>	<u> </u>

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

None

7. Fencing ⁽¹⁾ *None*

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

None

9. Contractor Access Notes:

None

10. Temporary Resident Access Notes:

None

11. Equipment Notes:

None

12. Miscellaneous Comments:

None

12"

Volume of soil to be excavated _____

Estimated excavation time *4 days* _____

Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: GR-09H 1120 CUB Survey Date: 1/28/94
Classification: VACANT 5/9/94 Survey Team: RLS JLD1. Lot Size: 125' 25' sq. ft. per plot map2. Area Occupied by Structures ⁽¹⁾House NONE _____ sq. ft.
Garage " _____ sq. ft.
Storage Buildings " _____ sq. ft.3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
<u>All paved</u>	<u>125' x 25'</u>	<u>Asphalt</u>
Driveway	_____	_____
Patios	_____	_____
Sidewalks	_____	_____
Other (Specify)	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>NONE</u>			

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>NONE</u>			

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

7. Fencing ⁽¹⁾

Type wooden picket LF 11' Ht 6' Amt Requiring Removal 0

Type trellis type fence LF 18' Ht 6' Amt Requiring Removal 10'

8. Anticipated Structural Problems:

none

9. Contractor Access Notes:

Area in rear of house is already covered in concrete
may not have to be done
grass/concrete patio recently done may have ~~just~~ fresh
load of soil placed there.

10. Temporary Resident Access Notes:

fence sidewalks

11. Equipment Notes:

tight access

12. Miscellaneous Comments:

none

6" remed.
Volume of soil to be excavated _____
Estimated excavation time 2.0 days _____
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: 11 1510
Classification: RES 1Survey Date: 2/1/94
Survey Team: PLS JLD1. Lot Size: 58 sq. ft.2. Area Occupied by Structures ⁽¹⁾

House	32' x 30'	_____	sq. ft.
Garage	0	_____	sq. ft.
Storage Buildings	0	_____	sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway 30' x 9'	_____	asphalt
Patios grass/play area	_____	grass/concrete
Sidewalks 45' x 3'	_____	concrete
Other (Specify)	_____	_____
flower bed 32' x 2'	2 timbers hgt 6" tall	

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
Maple	1	14"	NO
rose	2	12" bundles	yes
yew	3	1' hgt	yes
unknown shrub	1	2' hgt	NO

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
woodpile	2' x 10'		fire wood 2.1 concrete
Misc. Toys/bike	several		move & put back when remediated
pile	1		

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽³⁾

7. Fencing ⁽¹⁾

Type chain link LF 245' Ht 3' Amt Requiring Removal None

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

None

9. Contractor Access Notes:

Curb concrete pour phase 1 w/beam lines (and water foundation)

10. Temporary Resident Access Notes:

None

11. Equipment Notes:

4" 1" 1/2" 1/4"

12. Miscellaneous Comments:

3"

Volume of soil to be excavated _____

Estimated excavation time 4 days

Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: OH 2025
Classification: PUBLICSurvey Date: 2/1/94
Survey Team: RLS JLD1. Lot Size: 37,400 sq. ft.

3" samed.

2. Area Occupied by Structures ⁽¹⁾

House	<u>None</u>	_____	sq. ft.
Garage	<u>None</u>	_____	sq. ft.
Storage Buildings	<u>None</u>	_____	sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway	<u>None</u>	_____
Patios	<u>None</u>	_____
Sidewalks	<u>225' x 3'</u>	<u>Gravel</u>
Other (Specify)	<u>22' x 42'</u>	<u>asphalt</u>

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>Pine Oaks</u>	<u>5</u>	<u>20-22" dia.</u>	<u>NO</u>
<u>Silver maple</u>	<u>1</u>	<u>18" dia.</u>	<u>NO</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>Swingsets</u>	<u>3</u>	<u>8' x 10'</u>	<u>Relocated</u>
<u>Trash cans</u>	<u>3</u>	<u>—</u>	<u>Since only 3 cans</u>
<u>Park Signs</u>	<u>2</u>	<u>4' x 3'</u>	<u>3" removed. we suggest</u> <u>hand dig and leave</u> <u>place</u>

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾ *None*

7. Fencing ⁽¹⁾ *NONE*

Type ~~_____~~ LF ~~_____~~ Ht ~~_____~~ Amt Requiring Removal ~~_____~~

Type ~~_____~~ LF ~~_____~~ Ht ~~_____~~ Amt Requiring Removal ~~_____~~

8. Anticipated Structural Problems: *None*

9. Contractor Access Notes: *ANY of 3 SIDES*

10. Temporary Resident Access Notes: *No*

11. Equipment Notes: *None*

12. Miscellaneous Comments: *None*

12"
Volume of soil to be excavated _____
Estimated excavation time _____
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: OH 2036
Classification: VACANTSurvey Date: 2/1/94
Survey Team: RLS JLD1. Lot Size: 125'
70 sq. ft.2. Area Occupied by Structures ⁽¹⁾ NoneHouse _____ sq. ft.
Garage _____ sq. ft.
Storage Buildings _____ sq. ft.3. Paved Areas ⁽¹⁾ None

Type	Area (sq. ft.)	Construction Material
Driveway	_____	_____
Patios	_____	_____
Sidewalks	_____	_____
Other (Specify)	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
ELMS	4	50' DIA	No
SILVER MAPLE	1	20' DIA	No

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾ NONE

Type	Number	Size	Comments
------	--------	------	----------

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

removed

7. Fencing ⁽¹⁾

Type chainlink LF 350 Ht 4' Amt Requiring Removal 40' *only*

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

None

9. Contractor Access Notes:

Access would be better if back fence removed partially ~~and~~ since there is a large parking lot in back of yard.

10. Temporary Resident Access Notes:

Fence still ~~is~~ adequate for resident access.

11. Equipment Notes:

12. Miscellaneous Comments:

*many small trees growing voluntarily along fences.
Owner may want these trees ^{removed} anyway.*

3'

Volume of soil to be excavated _____

Estimated excavation time 2 days

Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: WT 2612
Classification: RES 1Survey Date: 6/18/94
Survey Team: RLS JLD1. Lot Size: 125 50 sq. ft.2. Area Occupied by Structures ⁽¹⁾House (24' x 25') + (18' x 12') + (6' x 12') sq. ft.
Garage (20' x 14') sq. ft.
Storage Buildings 5' x 12' sq. ft.3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>(8'5" x 10') + (6' x 12')</u>		concrete w/ gravel pull-off
Patios <u>10' x 12'</u>		
Sidewalks <u>(12' x 5') + (2' x 5')</u>		concrete
Other (Specify)		

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
olive	several	4-2 dia	NO
orange tree	several	"	NO
fig tree	several	"	NO
agave	several	21" dia	NO

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
Swing set	1	3 x 4	move out of way of street
shed	1	8 x 12	Then move back in place.

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

Much debris in rear of duplex

7. Fencing ⁽¹⁾

Type wood picket LF ~ 700 Ht 3' Amt Requiring Removal 45'

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

Rear porch supports are old and not structural sound.

9. Contractor Access Notes:

Limited access will have to remove a portion of picket fence in front to access yard.

10. Temporary Resident Access Notes:

Put fence along sidewalk

11. Equipment Notes:

none

12. Miscellaneous Comments:

12" rebar!

Volume of soil to be excavated _____

Estimated excavation time 3 days

Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: NI 837/39
 Classification: RES 2

Survey Date: / /
 Survey Team:

1. Lot Size: 125' x 37' sq. ft.

2. Area Occupied by Structures ⁽¹⁾

House 50' x 50' sq. ft.
 Garage NONE sq. ft.
 Storage Buildings NONE sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>25' x 22'</u>	<u> </u>	<u>Soil</u>
Patios <u>NONE</u>	<u> </u>	<u> </u>
Sidewalks <u>NONE</u>	<u> </u>	<u>Concrete</u>
Other (Specify) <u> </u>	<u> </u>	<u> </u>

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>For. lawn</u>	<u>5</u>	<u>> 20" dia</u>	<u>NO</u>
<u>elm</u>	<u>2</u>	<u>6 1/2' / 8" dia</u>	<u>NO</u>
<u>oak sapling</u>	<u>1</u>	<u>3" dia</u>	<u>NO</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>Playground equip</u>	<u>3-4 pcs</u>	<u> </u>	<u>move equip a-1</u>
<u>crates</u>	<u>2</u>	<u> </u>	<u>move back after</u>
<u>assorted piles of trash</u>	<u>3</u>	<u> </u>	<u>move</u>

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽³⁾

7. Fencing ⁽¹⁾

Handwritten: 10' x 10' x 10'
Type chainlink LF 50 Ht 3' Amt Requiring Removal 0
Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

none

9. Contractor Access Notes:

open access

10. Temporary Resident Access Notes:

none

11. Equipment Notes:

none

12. Miscellaneous Comments:

Maybe old well/pit below basement

10"

Volume of soil to be excavated _____
Estimated excavation time 1.5 days
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code:

111 08297

Survey Date:

1/31/94

Classification:

VACANT

Survey Team:

RLS JED

1. Lot Size: $\frac{125}{87.5}$ sq. ft.2. Area Occupied by Structures ⁽¹⁾

House *none* _____ sq. ft.
 Garage *none* _____ sq. ft.
 Storage Buildings *none* _____ sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <i>none</i>	_____	_____
Patios <i>12 x</i>	_____	_____
Sidewalks <i>none</i>	_____	_____
Other (Specify) <i>concrete pad 37' x 10'</i>	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<i>pp</i>	1	10' dia	NO
<i>tree</i>	2	3' dia	NO
<i>shrub</i>	1	2' dia	NO
<i>flower</i>	3	15' / 4'	NO

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<i>none</i>			

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

7. Fencing ⁽¹⁾ *None*

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems: *None*

9. Contractor Access Notes: *None*
any side access

10. Temporary Resident Access Notes: *None*

11. Equipment Notes: *None*

12. Miscellaneous Comments: -

12"
Volume of soil to be excavated _____
Estimated excavation time _____
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: ME 0640
Classification: RES 1Survey Date: 2/1/94
Survey Team: RLS JLD1. Lot Size: 125' x 96' sq. ft.2. Area Occupied by Structures ⁽¹⁾

None

House	_____	sq. ft.
Garage	_____	sq. ft.
Storage Buildings	_____	sq. ft.

3. Paved Areas ⁽¹⁾ *None*

Type	Area (sq. ft.)	Construction Material
Driveway	_____	_____
Patios	_____	_____
Sidewalks	_____	_____
Other (Specify)	_____	_____

4. Plantings ⁽¹⁾ *None*

Type	Number	Size	Removal/ Replacement Required?
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5. Items requiring temporary relocation ⁽¹⁾⁽²⁾ *None*

Type	Number	Size	Comments
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(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽³⁾

all removed

7. Fencing ⁽¹⁾

Type Chain-link LF 40 Ht 4' Amt Requiring Removal 0

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

None

9. Contractor Access Notes:

Limit access to driveway
to enter and exit site

10. Temporary Resident Access Notes:

Limit access to driveway
Resident will need to enter street

11. Equipment Notes:

~~XXXXXXXXXX~~

12. Miscellaneous Comments:

None

6"

Volume of soil to be excavated _____
Estimated excavation time 1.5 days
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: WS 0815
Classification: RFS 1Survey Date: 2/1/94
Survey Team: RLS JLD1. Lot Size: 127.5 sq. ft.
252. Area Occupied by Structures ⁽¹⁾House 20' x 18' sq. ft.
Garage 25' x 22' sq. ft.
Storage Buildings none sq. ft.3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>115' x 11'</u> <u>2</u>		<u>concrete steps</u>
Patios <u>none</u>		
Sidewalks <u>113' x 4'</u> <u>25' x 5'</u>		<u>concrete</u>
Other (Specify) <u>Swamp Retaining Wall</u>		<u>concrete</u>

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>elm</u>	<u>2</u>	<u>< 1" diam.</u>	<u>yes</u>
<u>rose</u>	<u>2</u>	<u>2 1/2" diam.</u>	<u>yes</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
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- (1) Indicate location of these items on lot drawing for property.
 (2) Pools, woodpiles, outdoor furniture, etc.
 (3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

None

7. Fencing ⁽¹⁾ N/A

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

None

9. Contractor Access Notes:

- gas pipe line
- water line

10. Temporary Resident Access Notes:

None

11. Equipment Notes:

yard open from alley

12. Miscellaneous Comments:

6" remed.
Volume of soil to be excavated _____
Estimated excavation time ~ 3 days
Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: I01222
Classification: RES1Survey Date: 1/25/94
Survey Team: RLS1. Lot Size: 127.5' x 45' sq. ft.6" Remed.2. Area Occupied by Structures ⁽¹⁾House 32' x 34' _____ sq. ft.
Garage None _____ sq. ft.
Storage Buildings None _____ sq. ft.3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>7' x 14'</u>	_____	<u>gravel</u>
Patios <u>None</u>	_____	_____
Sidewalks <u>15' x 3'</u>	_____	<u>concrete</u>
Other (Specify) <u>None</u>	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>yews</u>	<u>6</u>	<u>2-3' dia</u>	<u>NO</u>
<u>Berbermy</u>	<u>3</u>	<u>< 1" shrubs</u>	<u>NO</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>None</u>			

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

* yard in disrepair

7. Fencing ⁽¹⁾

3' chain link
Type 120' LF 3' Ht Amt Requiring Removal all
picket
Type 10' LF 4' Ht Amt Requiring Removal all
Type 25' LF 6' Ht Amt Requiring Removal all

8. Anticipated Structural Problems:

handdig around carport in back

9. Contractor Access Notes:

No access to back yard except thru drive way

10. Temporary Resident Access Notes:

11. Equipment Notes:

12. Miscellaneous Comments:

yard & house in dis repair

Volume of soil to be excavated 12"
Estimated excavation time ~2 weeks
Estimated restoration time

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: GR1734
Classification: RES1Survey Date: 1/25/94
Survey Team: GH/PE/RLS

1. Lot Size: 120' x 50' "map" sq. ft. 12" Removal
38' x 20' front yard
2. Area Occupied by Structures ⁽¹⁾

House 36' x 35' _____ sq. ft.
 Garage - no just walls _____ sq. ft.
 Storage Buildings no floor _____ sq. ft.
NO

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>55' x 12'</u>	_____	<u>gravel</u>
Patios <u>6' x 8'</u>	_____	<u>wood</u>
Sidewalks <u>5' x 3'</u>	_____	<u>concrete</u>
Other (Specify) _____	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
paawonia	1	14'	
Maple (front)	1	< 1"	NO
Snowbush (front)	1	1.5"	YES
Yew (back)	2	> 3"	NO

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
CARS	2	-	
Camper	1	14'	
Bird bath	1		
Trailer - junk	1		
Note: X Trailer required for storage			

- (1) Indicate location of these items on lot drawing for property.
 (2) Pools, woodpiles, outdoor furniture, etc.
 (3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

7. Fencing ⁽¹⁾

Stockade 2 gates (6')
Type Wooden 169 LF _____ Ht _____ Amt Requiring Removal _____
Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

Hand digging under sunporch in back yard
Hand digging under bay window side yard
Ac " " " "

9. Contractor Access Notes:

10. Temporary Resident Access Notes:

11. Equipment Notes:

12. Miscellaneous Comments:

Volume of soil to be excavated _____
Estimated excavation time / _____
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: EDR224
Classification: RES 1Survey Date: 1/25/94
Survey Team: PE/GH/RLS6" dec
11. Lot Size: 125' x 49' sq. ft.2. Area Occupied by Structures ⁽¹⁾

House	27' x 47.5'	_____	sq. ft.
NO Garage	64' x 10'	_____	sq. ft.
Storage Buildings	9' x 8'	_____	sq. ft.
	on concrete		

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway	640 sq. ft.	gravel
Patios	N/A	
Sidewalks	(44' x 3') + (4' x 21') + (48' x 2')	
Other (Specify)		

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
Sugar maple fruit	1	12"	no
Line (quercus) buck	2	<1"	yes

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
Swing set Swing set	1		

- (1) Indicate location of these items on lot drawing for property.
 (2) Pools, woodpiles, outdoor furniture, etc.
 (3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽³⁾
12' x 12' x Sun Struck - per consider

7. Fencing ⁽¹⁾

Type C.L. LF 48 Ht 4' Amt Requiring Removal ^{2 gates} all

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

9. Contractor Access Notes:

10. Temporary Resident Access Notes:

11. Equipment Notes:

12. Miscellaneous Comments:

Volume of soil to be excavated _____

Estimated excavation time _____

Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: DE 2260
Classification: RES 1Survey Date: 1/25/94
Survey Team: PE/JS

1. Lot Size: _____ sq. ft.

2. Area Occupied by Structures ⁽¹⁾

House	25 x 44	_____	sq. ft.
Garage	12 x 22	_____	sq. ft.
Storage Buildings	6 x 6	36	sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway	9' x 56'	concrete
Patios		
Sidewalks	20" x 25' (Back) [30' + 100' + 20' (front)]	concrete
Other (Specify)	4' x 40'	
Black lawn edging	30'	

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
J.P. Barberry	1	26"	no
Pin Oak	1	24"	no
Paulonia	3	< 1"	yes
Maple	1	2"	yes
Laurel	1	2"	yes
Rose	1	2"	yes
prickly cactus	15	~ 3' dia	yes
white cedar	2	< 8" ea	yes
Redbud	1	5" dia	yes
white ash	1	6" dia	no
Items requiring temporary relocation ⁽¹⁾⁽²⁾		1" dia	yes

Type	Number	Size	Comments
shed	1	6' x 6'	

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration (1)(3)

Duner ~~admitt~~ refused access
to home site measured from road/sidewalk!

7. Fencing (1)

front 29' + 30' + 30' + 62' ft
Type chainlink LF _____ Ht 3' Amt Requiring Removal (partial) keep could we dig arou
back 47' + 26' ft
Type chainlink LF _____ Ht 6' Amt Requiring Removal All and replant supports 12

8. Anticipated Structural Problems:

9. Contractor Access Notes:

water lines in yard
gas phone line in yard

10. Temporary Resident Access Notes:

N/A

11. Equipment Notes:

fence ~~no~~ could be saved if hand digging allowed

12. Miscellaneous Comments:

12"
Volume of soil to be excavated _____
Estimated excavation time 1.5 _____
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

 Address Code: T01327
 Classification: RES1

 Survey Date: 1/25/94
 Survey Team: PLS
1. Lot Size: 100' x 127.5' sq. ft.

12" Remed.

2. Area Occupied by Structures ⁽¹⁾

House 58' x 22'	_____	sq. ft.
Garage 20' x 14'	_____	sq. ft.
Storage Buildings N/A	_____	sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway 65' x 8'	_____	asphalt / w/concrete str.
Patios - N/A	_____	under
Sidewalks [20' x 3'] + [20' x 2'] =	_____	concrete
Other (Specify)	_____	_____

4. Plantings ⁽¹⁾

[Brick flower bed area 30' x 4'] bedding plants

[garden mulch area (50' x 14')]

Type	Number	Size	Removal/ Replacement Required?
elm	4	20" dia.	NO
alberta spruce	1	2" dia.	yes
eastern red cedar	2	2" dia.	yes
for sythia	2	2" dia.	yes
hawthorn	1	2"	NO
youls - 2 3 dia flowering crabapple	1	2"	yes
flowers misc.	1	2"	yes
burning bush	1		yes
Roses	24		yes
laffardils	290		yes
dogwood	1	4" dia	yes
red maple	1	12" dia.	NO

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
mailbox	1		relocate temporary

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

clothesline post

7. Fencing ⁽¹⁾

Type chain link ^{62'} LF _____ Ht 3' Amt Requiring Removal All

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

removal of soil patio may give way

9. Contractor Access Notes:

Many plants to buy
Concrete may settle out and crack

10. Temporary Resident Access Notes:

N/A

11. Equipment Notes:

Enter through alley
after taking fence down

12. Miscellaneous Comments:

Volume of soil to be excavated ^{12"} _____
Estimated excavation time 3 days
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
(2) Pools, woodpiles, outdoor furniture, etc.
(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: GR 1217
Classification: RES 1Survey Date: 1/25/94
Survey Team: RJS1. Lot Size: 90' x 119' sq. ft.

12" remed.

2. Area Occupied by Structures ⁽¹⁾

House	26' x 40'	_____	sq. ft.
Garage	25' x 25'	_____	sq. ft.
Storage Buildings	None	_____	sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>100' x 10'</u>	_____	concrete
Patios <u>10' x 12'</u>	_____	concrete
Sidewalks <u>[4' x 5'] + [3' x 25'] + [30' x 3']</u>	_____	concrete
Other (Specify)	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
Holly	1	7" dia.	no
Blue spruce	1	8" "	no
Austrian pine	1	10" "	yes
Norway spruce	1	8" "	no
white ash	1	6" "	no
unknown shrub	1	10" "	yes
Trumpet honeysuckle	several	6"	yes
Redbud	1		yes
privet			
rose of Sharon	5		
flowering crabapple	1		
persimmon	2		
flowering dogwood			

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

S. blackhaw	3	no
bur oak	2	no

Type	Number	Size	Comments
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None

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

7. Fencing ⁽¹⁾

Type ^{green} ~~chainlink~~ ~~100'~~ LF 100' Ht 3' Amt Requiring Removal _____

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

* Retaining wall @ parking lot would have to be done
House in good condition.

9. Contractor Access Notes:

Has alley in back
not much in the way of plants to remove

10. Temporary Resident Access Notes:

N/A

11. Equipment Notes:

Some old stumps of trees present
Probable troubled spots (3)

12. Miscellaneous Comments:

^{6" Remed.}
Volume of soil to be excavated _____
Estimated excavation time 2-3 days
Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: MA 0810
 Classification: RES 2

Survey Date: 1/25/94
 Survey Team: RLS

1. Lot Size: 127.5' x 60' sq. ft.

6" remed.

2. Area Occupied by Structures ⁽¹⁾

House Vacant

House 52' x 36' _____ sq. ft.
 Garage None _____ sq. ft.
 Storage Buildings None _____ sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>None</u>	_____	_____
Patios <u>None</u>	_____	_____
Sidewalks <u>3' x 19' + 3' x 5'</u>	_____	<u>Concrete</u>
✓ Other (Specify) <u>Retaining wall 85' x 2'</u>	_____	<u>concrete / rock / flagstone</u>

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
front Dogwood pink	1	1 1/2"	no dig up and replant
" white	1	2"	no dig up & replant
Roses	2	2 bundles	yes

(on back) Southern magnolia 1 8" dia.

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

yes

Type	Number	Size	Comments
8 flower borders to be relocated			

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾
Shed w/ quite a bit warped sheeting on sides of building (material stored inside)
1 trash barrel
1 table patio
debris (all junk)
pallet telepole on ground
7. Fencing ⁽¹⁾
N/A
Type _____ LF _____ Ht _____ Amt Requiring Removal _____
Type _____ LF _____ Ht _____ Amt Requiring Removal _____
8. Anticipated Structural Problems:
couple of concrete plugs in the earth
1 cistern
9. Contractor Access Notes:
accessible
10. Temporary Resident Access Notes:
N/A
11. Equipment Notes:
open area
12. Miscellaneous Comments:
none

Volume of soil to be excavated _____
Estimated excavation time 2.0 days
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
(2) Pools, woodpiles, outdoor furniture, etc.
(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: WS 1307
Classification: RES1Survey Date: 1/25/94
Survey Team: RLS1. Lot Size: 127.5' x 62.5' sq. ft.

12" rebar.

2. Area Occupied by Structures ⁽¹⁾House None sq. ft.Garage None sq. ft.Storage Buildings 16 x 18' shed sq. ft.w/ debris around itContact land owner
about replacement
is it necessary?3. Paved Areas ⁽¹⁾ 7 x 15' partial shed

Type	Area (sq. ft.)	Construction Material
Driveway	<u>None</u>	
Patios	<u>None</u>	
Sidewalks	<u>86' x 3'</u>	<u>concrete</u>
Other (Specify)		

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
Roses	18	bundles	yes possibly
Alberta spruce	2	22" dia	no
grape vines	2		no
pawlonia	1	22" dia	no

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
Alberta spruce			

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽³⁾

None

7. Fencing ⁽¹⁾ *N/A*

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

None

9. Contractor Access Notes:

None

10. Temporary Resident Access Notes:

None

11. Equipment Notes:

None

12. Miscellaneous Comments:

None

^{6"}
Volume of soil to be excavated _____

Estimated excavation time *20 days* _____

Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: 45 2035
Classification: PUBLICSurvey Date: 11/31/94
Survey Team: RLS JLD1. Lot Size: 125' x 40' = 3490 sq. ft.2. Area Occupied by Structures ⁽¹⁾

House	<u>none</u>	_____	sq. ft.
Garage	<u>none</u>	_____	sq. ft.
Storage Buildings	<u>none</u>	_____	sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>40' x 125'</u>	_____	<u>gravel</u>
Patios <u>none</u>	_____	_____
Sidewalks <u>40' x 4'</u>	_____	_____
Other (Specify)	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>Flm</u>	<u>3</u>	<u>30' / 30' / 25' d.m.</u>	<u>no</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>None</u>			

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

7. Fencing ⁽¹⁾

None

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

None

9. Contractor Access Notes:

Open Access

10. Temporary Resident Access Notes:

None

11. Equipment Notes:

None

12. Miscellaneous Comments:

None

12"

Volume of soil to be excavated _____

Estimated excavation time *1.5 days* _____

Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: WS 2021
Classification: PUBLICSurvey Date: 11/31/94
Survey Team: RLS JLD1. Lot Size: 125' x 40' sq. ft.2. Area Occupied by Structures ⁽¹⁾House NONE sq. ft.
Garage " sq. ft.
Storage Buildings * sq. ft.3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>NONE</u>		
Patios <u>NONE</u>		
Sidewalks <u>(4' x 40')</u>		<u>concrete</u>
Other (Specify) <u>gravel lot 40 x 125</u>		<u>gravel</u>

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>NONE</u>			

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>NONE</u>			

- (1) Indicate location of these items on lot drawing for property.
 (2) Pools, woodpiles, outdoor furniture, etc.
 (3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾
Decorative stone 6' 52" - surrounding WWII monument
Stone benches on concrete pads
Sm. benches on concrete pads as well.

7. Fencing ⁽¹⁾

Type Iron rail LF 70 Ht 3 Amt Requiring Removal 0

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

none

9. Contractor Access Notes:

none
caution when digging in park
due to water electric lines are present

10. Temporary Resident Access Notes:

none

11. Equipment Notes:

Tight spacing

12. Miscellaneous Comments:

none

Volume of soil to be excavated _____
Estimated excavation time 4 days
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
(2) Pools, woodpiles, outdoor furniture, etc.
(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: N11500
Classification: PUBLICSurvey Date: 1/31/94
Survey Team: RLS JLD1. Lot Size: 20,160 sq. ft.2. Area Occupied by Structures ⁽¹⁾House NONE _____ sq. ft.
Garage NONE _____ sq. ft.
Storage Buildings NONE _____ sq. ft.3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>NONE</u>	_____	_____
Patios <u>NONE</u>	_____	_____
Sidewalks	_____	_____
Other (Specify)	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
* <u>lamb ears</u>	2	<1" dia.	NO
* <u>eyebrow</u>	1	2" dia.	NO
<u>pin oak</u>	2	25" dia.	NO
<u>sugar maple</u>	5	12" dia.	NO
<u>east. white</u>	2	10" dia.	NO
<u>gums</u>	30	3-4' hgt	NO
<u>juniper</u>	4	3' hgt	NO
* <u>red bud</u>	6	1" dia.	NO
* <u>hickory</u>	2	1" dia.	NO
* <u>crabapple</u>	3	2" dia.	NO
* <u>bur oak</u>	1	2" dia.	NO

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>3-4" Posts</u>	3	2x3	* All saplings can be moved and then replanted if treated proper.

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

7. Fencing ⁽¹⁾

Type wood rail LF 25' Ht 4' Amt Requiring Removal _____

Type wood stockade LF 55' Ht 6' Amt Requiring Removal 30'

8. Anticipated Structural Problems:

None

9. Contractor Access Notes:

Have to tree down 20-30' of stockade to access portion of back yard.

10. Temporary Resident Access Notes:

parking in rear typically, may have to park in front during clean up

11. Equipment Notes:

~~None~~

standing round Building.

12. Miscellaneous Comments:

3"

Volume of soil to be excavated _____

Estimated excavation time 4 days

Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: N11245-SS
Classification: RES 3Survey Date: 1/31/94
Survey Team: RLS JLD1. Lot Size: 57'
125' sq. ft.

3" rem'd

2. Area Occupied by Structures ⁽¹⁾House 130' x 21' _____ sq. ft.
Garage none _____ sq. ft.
Storage Buildings none _____ sq. ft.3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
<u>Backyard</u> Driveway <u>none</u> <u>70,120</u>	_____	<u>gravel</u>
<u>Patio</u>	_____	_____
<u>Sidewalks</u> <u>(32' x 5')</u> <u>3</u>	_____	<u>concrete</u>
Other (Specify)	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>River birch</u>	<u>3</u>	<u>3' x 10' dia.</u>	<u>no</u>
<u>paper birch</u>	<u>1</u>	<u>5' dia.</u>	<u>no</u>
<u>horizontal</u>	<u>2</u>	<u>3' x 4' dia.</u>	<u>no</u>
<u>blackham</u>	<u>10</u>	<u>5-6' high</u>	<u>no</u>
<u>blue spruce</u>	<u>1</u>	<u>3' dia.</u>	<u>no</u>
<u>scrub pine</u>	<u>1</u>	<u>6' dia.</u>	<u>no</u>
<u>rose</u>	<u>3</u>	<u>1' x 2' bundles</u>	<u>yes</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>old oil Tank</u>	<u>1</u>	<u>6' x 4'</u>	<u>move out of way</u>
<u>parking curbs</u>	<u>9</u>	<u>6'</u>	<u>and then put back</u> <u>may have to replace</u>

- (1) Indicate location of these items on lot drawing for property.
 (2) Pools, woodpiles, outdoor furniture, etc.
 (3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽³⁾

- ## 7. Fencing ⁽¹⁾

Type wood stake LF 15' Ht 6' Amt Requiring Removal 30-40 ^{with} RM

Type charalick LF 10 Ht 4' Amt Requiring Removal

- 8. Anticipated Structural Problems:**

in each item will be awkward to move
i.e. - picnic tables, sheet metal, ward file's, horse shoe pit areas

9. Contractor Access Notes:

r Access Notes:
limited access; suggest dismantle SJ-4J ^{to relocate} rear of property

- 10. Temporary Resident Access Notes:**

11. **Equipment Notes:**

- 12. Miscellaneous Comments:**

U-12, 100000

Volume of soil to be excavated

Estimated excavation time 3 days

Estimated restoration time

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: N1 0915-0117
Classification: RES 3Survey Date: 1/31/74
Survey Team: PLS JLD1. Lot Size: 125
77 sq. ft.2. Area Occupied by Structures ⁽¹⁾House 4' x 52' _____ sq. ft.
Garage 10 _____ sq. ft.
Storage Buildings _____ sq. ft.3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>20' x 32'</u>	_____	<u>gravel</u>
Patios <u>none</u>	_____	_____
Sidewalks <u>7' x 52'</u>	_____	<u>concrete</u>
Other (Specify) <u>concrete pad 39' x 25'</u>	_____	<u>concrete</u>

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>W. to pine</u>	<u>3</u>	<u>5' dia.</u>	<u>NO</u>
<u>Shrub</u>	<u>1</u>	<u>5' dia./6' dia.</u>	<u>NO</u>
<u>Small shrub</u>	<u>1</u>	<u>5' dia.</u>	<u>NO</u>
<u>Tree</u>	<u>1</u>	<u>3' dia.</u>	<u>yes</u>
<u>Shrub</u>	<u>3</u>	<u>4' high</u>	<u>yes</u>
<u>Shrub</u>	<u>4</u>	<u>4' high</u>	<u>yes</u>
<u>Shrub</u>	<u>4</u>	<u>4' high</u>	<u>yes</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>Statues</u>	<u>3</u>	<u>2.5' tall</u>	
<u>Picnic tables</u>	<u>4</u>	<u>4' x 6'</u>	
<u>Corrugated sheet metal pile</u>	<u>1</u>	<u>12 sheets</u>	
<u>Wood pile</u>	<u>1</u>		
<u>10:30 sheep pits</u>	<u>2' sets</u>		
<u>W/R R.T. (black house)</u>			

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration (1)(5)

Behind gauge cages and cement blocks will have to be removed.

- ## 7. Fencing ⁽¹⁾

Type Changebook LF 34' Ht 4' Amt Requiring Removal 20' from 2nd

receptor Type used stocks LF Ht Amt Requiring Removal

- ### 8. Anticipated Structural Problems:

Carpport near in dangerous condition
Suggest bundling carefully

- 9. Contractor Access Notes:**

Access Notes:
Access limited to Driveway & alleyway (after removing fence)

- 10. Temporary Resident Access Notes:**

6-21-1

- 11. Equipment Notes:**

3. 227 1 egg of egg present due to limited amount

- 12. Miscellaneous Comments:**

Nov 2

6" round.

Volume of soil to be excavated

Estimated excavation time 2.2 days

Estimated restoration time

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

 Address Code: MP 1628
 Classification: RES 1

 Survey Date: 1/31/94
 Survey Team: PLS JLD

 1. Lot Size: 1276 sq. ft.
 25

 2. Area Occupied by Structures ⁽¹⁾

House 52' x 20'	_____	sq. ft.
Garage 24' x 20'	_____	sq. ft.
Storage Buildings	_____	sq. ft.

 3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway (75' x 20') (75' x 20')	_____	concrete st. p.
Patios none	_____	_____
Sidewalks (4' x 4') + (5' x 5') + (5' x 20')	_____	concrete
Other (Specify)	_____	_____

 4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
rainbow pine	1	2' dia.	no

 5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
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(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

Picket fence is mounted on top of concrete footing, in front yard.

Retaining wall foot - $33' \times 10' + 10' = 53'$

7. Fencing ⁽¹⁾

Type picket fence LF 96' Ht 6' Amt Requiring Removal 26'

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

None

9. Contractor Access Notes:

Picket fence is going to restrict access to back of fence so

10. Temporary Resident Access Notes:

None Residents will have limited access to yard.

11. Equipment Notes:

Access limited to driveway and street entrance

12. Miscellaneous Comments:

None

12"

Volume of soil to be excavated _____

Estimated excavation time 2.0 _____

Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: OL 1740
Classification: RES 1Survey Date: 11/3/94
Survey Team: RLS JED1. Lot Size: 1276 sq. ft.
452. Area Occupied by Structures ⁽¹⁾House 52' x 28' sq. ft.
Garage 44' x 28' sq. ft.
Storage Buildings sq. ft.3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>28' x 8'</u>		<u>concrete</u>
Patios <u>(5 x 28')</u>		<u>concrete</u>
Sidewalks <u>(3 x 5) + (4 x 2)</u>		<u>concrete</u>
Other (Specify)		

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>Supergrass</u>	<u>1</u>	<u>3' dia</u>	<u>yes</u>
<u>Shrubbery</u>	<u>1</u>	<u>6' dia</u>	<u>yes</u>
<u>Small shrub</u>	<u>1</u>	<u>12' dia</u>	<u>no</u>
<u>Small shrub</u>	<u>1</u>	<u>6' dia</u>	<u>no</u>
<u>Small shrub</u>	<u>1</u>	<u>4' hgt</u>	<u>yes</u>
<u>Blue spruce</u>	<u>1</u>	<u>2' dia</u>	<u>no</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u> </u>	<u> </u>	<u> </u>	<u> </u>

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽³⁾

7. Fencing ⁽¹⁾

Type Cement Block wall LF 40' Ht 4 Amt Requiring Removal 0

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

None

9. Contractor Access Notes:

Access from vacant ~~lot~~ lot

10. Temporary Resident Access Notes:

* Fence off S. side north

11. Equipment Notes:

None

12. Miscellaneous Comments:

3" removed

Volume of soil to be excavated _____

Estimated excavation time _____

Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: 02146/48
Classification: RES 2Survey Date: 1/31/94
Survey Team: RLS JLD1. Lot Size: 1276 sq. ft.
40

3" record.

2. Area Occupied by Structures ⁽¹⁾House 84' x 33 sq. ft.
Garage none sq. ft.
Storage Buildings none sq. ft.3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>shared 10' x 10'</u>		<u>concrete</u>
Pavies <u>10' x 3'</u>		<u>concrete</u>
Sidewalk <u>(5' x 4') + 70' x 4'</u>		<u>concrete</u>
Other (Specify)		

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>(1st) pin oak</u>	<u>1</u>	<u>10" dia.</u>	<u>no</u>
<u>10' x 20' tree</u>	<u>2</u>	<u>40' x 40'</u>	<u>yes</u>
<u>pin oak</u>	<u>1</u>	<u>10"</u>	<u>yes</u>
<u>black cherry</u>	<u>1</u>	<u>6" dia.</u>	<u>no</u>
<u>large orange</u>	<u>1</u>	<u>5" dia.</u>	<u>no</u>
		<u>1" dia.</u>	<u>no</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>Move concrete forms to remove soil</u>			<u>20' x 6' high</u>
<u>Sunny set</u>	<u>1</u>	<u>4' x 8'</u>	<u>move and then...</u>
<u>association pellets</u>	<u>several</u>		<u>" " "</u>
<u>Steel Pool</u>			

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽³⁾

Retaining wall 2' x 1' x 100'
This wall is in fragile condition

7. Fencing ⁽¹⁾

Type chainlink LF 50' Ht 6' Amt Requiring Removal 50

Type wirecoil LF 102' Ht 4' Amt Requiring Removal 0

8. Anticipated Structural Problems:

Just retaining wall is fragile may have to be reconstructed

9. Contractor Access Notes:

Limited access to grass area due to
proximity of other houses.

10. Temporary Resident Access Notes:

Residents to stay on sidewalk (fence off)

11. Equipment Notes:

1.5 hrs. rest = 55.

12. Miscellaneous Comments:

none

6"

Volume of soil to be excavated _____

Estimated excavation time 1.5 days

Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: MP 1732
 Classification: PUBLIC

Survey Date: 1/31/94
 Survey Team: RLS JLD

1. Lot Size: 127.6 sq. ft.
50'

2. Area Occupied by Structures ⁽¹⁾

House 34' x 60' _____ sq. ft.
 Garage none _____ sq. ft.
 Storage Buildings none _____ sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>none</u>	_____	_____
Patios <u>none</u>	_____	_____
Sidewalks <u>112'</u>	_____	_____
Other (Specify) _____	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>spun</u>	<u>1</u>	<u>8" dia.</u>	<u>NO</u>
<u>catclap</u>	<u>1</u>	<u>20" dia.</u>	<u>NO</u>
<u>barberry</u>	<u>12</u>	<u>8" shrub</u>	<u>YES</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>none</u>			

- (1) Indicate location of these items on lot drawing for property.
 (2) Pools, woodpiles, outdoor furniture, etc.
 (3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

Concrete footing 5' x 6' x 6' deep → may have to be replaced

7. Fencing ⁽¹⁾

Type chainlink LF 114' Ht 4' Amt Requiring Removal None

Type wood stake LF 6' Ht 6' Amt Requiring Removal none

8. Anticipated Structural Problems:

None noted

9. Contractor Access Notes:

Access limited to front yard (Rearway entrance)
Road 1 ft wide down other side at one time

10. Temporary Resident Access Notes:

Resident restricted to sidewalk

11. Equipment Notes:

12. Miscellaneous Comments:

Volume of soil to be excavated 6.0 cu yds
Estimated excavation time 2 days
Estimated restoration time 1 day

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: N1 0834
Classification: RES1Survey Date: 1/13/194
Survey Team: RLS JLD1. Lot Size: 12.5
37.5 sq. ft.

6" removed

2. Area Occupied by Structures ⁽¹⁾House 35' x 26' sq. ft.
Garage 34' x 21' sq. ft.
Storage Buildings _____ sq. ft.3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>(115' x 12')</u>	_____	<u>concrete strip</u>
Patios <u>8' x 5'</u>	_____	<u>concrete</u>
Sidewalks <u>(35' x 5') + (20' x 5') + (38' x 5')</u>	_____	<u>concrete</u>
Other (Specify) _____	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>6' x 2' x 2' tree</u>	<u>1</u>	<u>2' x 2' x 2'</u>	<u>no</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>10' x 12' table</u>	_____	_____	_____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽³⁾

7. Fencing ⁽¹⁾

Type chainlink LF 35' Ht 3' Amt Requiring Removal NO

Type Retaining wall LF 38' Ht 1' Amt Requiring Removal NO

8. Anticipated Structural Problems:

None

9. Contractor Access Notes:

Access needed around retaining wall suggest hand digging.

10. Temporary Resident Access Notes:

Residents restricted to sidewalk during removal

11. Equipment Notes:

12. Miscellaneous Comments:

6" removed
Volume of soil to be excavated _____
Estimated excavation time 2 days
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: WS 0919/0921
 Classification: VACANT

Survey Date: 1/31/94
 Survey Team: RLS JLD

1. Lot Size: 45' x 75' sq. ft.

2. Area Occupied by Structures ⁽¹⁾

House 40 x 16 sq. ft.
 Garage 52 x 15 sq. ft.
 Storage Buildings 12 x 10 sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>10 x 12</u>		
Patios <u>10 x 2</u>		
Sidewalks <u>2.0 x 3'</u>		<u>concrete</u>
Other (Specify)		

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>oak</u>	<u>2</u>	<u>28' x 14"</u>	<u>no</u>
<u>lilac</u>	<u>1</u>	<u>3' x 6"</u>	<u>yes</u>
<u>large bush</u>	<u>2</u>	<u>3' x 4'</u>	<u>yes</u>
<u>unknown large shrub</u>	<u>1</u>	<u>10'</u>	<u>yes</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>shed metal</u>	<u>1</u>	<u>8 x 7'</u>	<u>→ relocate to removal out back.</u>

- (1) Indicate location of these items on lot drawing for property.
 (2) Pools, woodpiles, outdoor furniture, etc.
 (3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽³⁾

7. Fencing ⁽¹⁾

Type chainlink LF 235' Ht 3' Amt Requiring Removal 30'

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

none

* Take out on all
sides and across
yard and put back

9. Contractor Access Notes:

*to use yard from alley side
go to back of water line*

10. Temporary Resident Access Notes:

none

11. Equipment Notes:

for street, open access

12. Miscellaneous Comments:

^{to be removed}
Volume of soil to be excavated _____
Estimated excavation time _____
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

Address Code: KE 16.14/1616
 Classification: RES 2

Survey Date: 1/31/94
 Survey Team: JLD/RLS

1. Lot Size: 110' x 15' sq. ft.

12' rem'd.

2. Area Occupied by Structures ⁽¹⁾

House 42' x 31' sq. ft.
 Garage 25' x 31' sq. ft.
 Storage Buildings 11' x 15' sq. ft.
metal shed

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>25' x 15'</u>		<u>concrete</u>
Patios <u>15' x 20'</u>		<u>concrete</u>
Sidewalks <u>(1' x 15') (20' x 5')</u>		<u>concrete</u>
Other (Specify)		

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>silver maple</u>	<u>2</u>	<u>12" dia.</u>	<u>NO</u>
<u>larch</u>	<u>5</u>	<u>8" dia.</u>	<u>NO</u>
<u>cedar</u>	<u>1</u>	<u>4" dia.</u>	<u>NO</u>
<u>ycw</u>	<u>10</u>	<u>4" ht</u>	<u>YES</u>
<u>hydrangea</u>	<u>1</u>	<u>6" dia.</u>	<u>YES</u>
<u>hillsip lily</u>	<u>1</u>	<u>4" dia.</u>	<u>NO</u>
<u>sweetgum</u>	<u>1</u>	<u>10" dia.</u>	<u>NO</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>move shed</u>	<u>1</u>	<u>11 x 15</u>	<u>move and move back after soil is replace</u>

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

7. Fencing ⁽¹⁾

Type wire roll LF 53' Ht 4' Amt Requiring Removal 100'

Type charalink LF 46' Ht 4' Amt Requiring Removal 20'

8. Anticipated Structural Problems: Type retaining wall LF 40' HT 3.5' Amt Req Removal None
None noted

9. Contractor Access Notes:

Remove 20' of fence (charalink) remove 1 then replace fence.

10. Temporary Resident Access Notes:

Resident access to be maintained

11. Equipment Notes:

Fairly open yard.

12. Miscellaneous Comments:

Volume of ^{3" removed} soil to be excavated _____
Estimated excavation time 2.2 hrs _____
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: RE 1121
Classification: RPSSurvey Date: 1/13/1994
Survey Team: RIS TLD1. Lot Size: 150' x 50' sq. ft.2. Area Occupied by Structures ⁽¹⁾House 40' x 20' _____ sq. ft.
Garage 20' x 18' _____ sq. ft.
Storage Buildings — _____ sq. ft.3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>68' x 7'</u>	_____	<u>gravel</u>
Patios <u>none</u>	_____	_____
Sidewalks <u>(145' x 3')</u>	_____	<u>concrete</u>
Other (Specify)	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>Scotch pine</u>	<u>1</u>	<u>10' dia</u>	<u>no</u>
<u>yew</u>	<u>7</u>	<u>3' x 4'</u>	<u>no</u>
<u>lilac</u>	<u>1</u>	<u>4' x 5'</u>	<u>yes</u>
<u>evergreen</u>	<u>1</u>	<u>12' dia</u>	<u>no</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>more concrete pile</u>	<u>1</u>	<u>3' x 5'</u>	<u>p. 12 of concrete</u>
<u>wire rail fence</u>	<u>1</u>	<u>6' height</u>	<u>more fence</u>
<u>compact pile</u>	<u>1</u>	<u>4' x 5'</u>	<u>more + p & back</u>

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾
N/A

7. Fencing ⁽¹⁾ N/A

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:
None

9. Contractor Access Notes:

Through alley
Be careful of gas/water mains running to house

10. Temporary Resident Access Notes:

Front half → fence along sidewalk
back half yard → NO sidewalk

11. Equipment Notes:

noise

12. Miscellaneous Comments:

6" remed.
Volume of soil to be excavated _____
Estimated excavation time 3 days
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: ST 2121
Classification: RES 1Survey Date: 1/26/94
Survey Team: JLD RLS1. Lot Size: 58' x 125' sq. ft.REMED 6"
Duplex2. Area Occupied by Structures ⁽¹⁾House 30' x 58' sq. ft.
Garage N/A sq. ft.
Storage Buildings N/A sq. ft.3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>20' x 10'</u>		<u>soil</u>
Patios <u>N/A</u>		
Sidewalks <u>(8' x 20') + (3' x 25') + (3' x 58') =</u>		
Other (Specify)		

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
Redbud	1	1.5" dia	yes
maple	1	20" dia.	→ No
Paulownia	1	4" dia	→ No
yew			

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>None</u>			

- (1) Indicate location of these items on lot drawing for property.
 (2) Pools, woodpiles, outdoor furniture, etc.
 (3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration (1)(2)

7. Fencing (1)

Type chainlink LF 65' Ht 3' Amt Requiring Removal All

Type wooden stockade LF 50' Ht 6' Amt Requiring Removal All

Type picket fence LF 4' Ht 4' " " " All

8. Anticipated Structural Problems:

* former garage wall will probably collapse when soil is removed. ~~also~~ Also there is a concrete floor w/in
* water and gas

9. Contractor Access Notes:

→ water lines
→ gas line

10. Temporary Resident Access Notes:

N/A

11. Equipment Notes:

access from alley

12. Miscellaneous Comments:

6" remed
Volume of soil to be excavated _____
Estimated excavation time 2.5 days
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: ST 2223
Classification: RES 1Survey Date: 1/26/94
Survey Team: JLD/RLS1. Lot Size: 50' x 125' sq. ft.

6" corner.

2. Area Occupied by Structures ⁽¹⁾House 45' x 36' _____ sq. ft.
Garage N/A _____ sq. ft.
Storage Buildings N/A _____ sq. ft.3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
* Driveway <u>55' x 9'</u>	_____	_____
Patios <u>20' x 22'</u>	_____	_____
Sidewalks <u>(3' x 16'), (10' x 5') (22' x 2')</u>	_____	_____
Other (Specify)	_____	_____
<u>one drive goes back to former property</u>	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>maple</u>	<u>1</u>	<u>21' x 5' diam.</u>	<u>yes</u>
<u>oak</u>	<u>2</u>	<u>6' diam.</u>	<u>NO</u>
<u>roses</u>	<u>7</u>	<u>6' x 6' x 5'</u>	<u>yes</u>
<u>blue spruce</u>	<u>10</u>		<u>yes</u>
<u>apple trees</u>	<u>2</u>		<u>yes</u>
<u>apple</u>	<u>1</u>		<u>yes</u>
<u>shrubs</u>	<u>2</u>		<u>NO</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>remove and replant</u>			
<u>smaller plants</u>			

- (1) Indicate location of these items on lot drawing for property.
 (2) Pools, woodpiles, outdoor furniture, etc.
 (3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

7. Fencing ⁽¹⁾

front Type chainlink LF 70' Ht 3' Amt Requiring Removal All

back Type wooden stockade LF 45' Ht 5' Amt Requiring Removal All

Side type wire rail LF 63' Ht 4' Amt Req. Removal All

8. Anticipated Structural Problems:

Hand dig around sun porch supports

9. Contractor Access Notes:

water line on front
gas line on side
overhead electrical in backyard

10. Temporary Resident Access Notes:

NA

11. Equipment Notes:

Access to driveway

12. Miscellaneous Comments:

12" remod.

Volume of soil to be excavated _____

Estimated excavation time 3 days

Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: ST 2231
 Classification: RES 1
45' x 125'

Survey Date: 1/26/74
 Survey Team: TLD, RLS

1. Lot Size: _____ sq. ft.

2. Area Occupied by Structures ⁽¹⁾

House 23' x 38' _____ sq. ft.
 Garage NONE _____ sq. ft.
 Storage Buildings 5' x 7' _____ sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>34' x 9'</u>	<u>306</u>	<u>gravel</u>
Patios <u>NONE</u>	_____	_____
✓ Sidewalks <u>32' x 3'</u>	_____	<u>concrete</u>
✓ Other (Specify) <u>pavement 10' x 10'</u>	_____	<u>concrete</u>

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
white pine	2	4'	no move/replant
yucca	3	5'	yes
insane white cedar	3	1.5'	no move/replant
Eumonymus	1	3.5'	yes
granddewer	several	10' x 2'	

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
move plants that are small Remove larger ones			

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽³⁾

7. Fencing ⁽¹⁾

Type wire rail LF 30' Ht 4' Amt Requiring Removal All

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

NONE

9. Contractor Access Notes:

go in thru alley

10. Temporary Resident Access Notes:

20 yard ~~width~~ phases
so as to allow access to residents

11. Equipment Notes:

NONE

12. Miscellaneous Comments:

6" remark.

Volume of soil to be excavated _____

Estimated excavation time 1 day

Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: GR 2010/18
Classification: RES 2Survey Date: 1/26/94
Survey Team: JLD/RLS1. Lot Size: 120' x 33.3' sq. ft.2. Area Occupied by Structures ⁽¹⁾

House	30' x 40'	_____	sq. ft.
Garage	N/A	_____	sq. ft.
Storage Buildings	N/A	_____	sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway	NONE	_____
Patios	NONE	_____
Sidewalks	(3' x 20') + (8' x 3') (3' x 5')	_____
Other (Specify)	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
Shrub/Spice	1 bundle		Y/S

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
Trash post stand	1	2' x 4'	

- (1) Indicate location of these items on lot drawing for property.
 (2) Pools, woodpiles, outdoor furniture, etc.
 (3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration (1)(2)

7. Fencing (1)

245'
Type Chainlink LF 245 Ht 3' Amt Requiring Removal 41
Type None LF 0 Ht 0 Amt Requiring Removal 0

8. Anticipated Structural Problems:

Howling by ac unit

9. Contractor Access Notes:

Enter thru gates
Tight access between garage and house
Overhead lines between house & garage
water/gas

10. Temporary Resident Access Notes:

N/A

11. Equipment Notes:

12. Miscellaneous Comments:

Volume of soil to be excavated _____
Estimated excavation time _____
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: GR 1447
Classification: RES 1Survey Date: 1/12/61/94
Survey Team: JED/RLS1. Lot Size: 122.7' + 120.5' + 118' + 87.5' sq. ft.2. Area Occupied by Structures ⁽¹⁾

✓House	_____	sq. ft.
✓Garage (concrete base)	_____	sq. ft.
Storage Buildings	_____	sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway	_____	<u>gravel covered w/ grass</u>
Patios	_____	_____
Sidewalks <u>(3.25)</u>	_____	_____
Other (Specify)	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>Lilac</u>	<u>1</u>	<u>> 1" dia. (fruit size)</u>	<u>yes</u>
<u>daffodils</u>	<u>10</u>		<u>yes</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>None</u>			

- (1) Indicate location of these items on lot drawing for property.
 (2) Pools, woodpiles, outdoor furniture, etc.
 (3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾
PVC sewerline cap in backyard maybe tank?

7. Fencing ⁽¹⁾

Type Wirelink LF 2 Ht 4' Amt Requiring Removal None

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

~~Stair~~ Stair supports in back

9. Contractor Access Notes:

all yard covered w/asphalt/concrete gravel

10. Temporary Resident Access Notes:

~~Adv~~ Apt. stairs in back maybe problem.

11. Equipment Notes:

NOTE: OVERHEAD electrical lines hang low

12. Miscellaneous Comments:

12' ^{remed.}
Volume of soil to be excavated _____
Estimated excavation time 0 _____
Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: 680765
 Classification: RES 1

Survey Date: 1/26/74
 Survey Team: JLD/RLS

1. Lot Size: 25' x 118' sq. ft.

REMED 12"

2. Area Occupied by Structures ⁽¹⁾

House 28' x 50' _____ sq. ft.
 Garage N/A _____ sq. ft.
 Storage Buildings see H-S-E (8 x 14') _____ sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>28' x 25'</u>	_____	<u>Asph. H/gravel</u>
Patios <u>N/A</u>	_____	_____
Sidewalks <u>(54' x 3') + (28' x 4')</u>	_____	_____
Other (Specify) _____	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>N/A</u>			

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
(2) 55 gal. drum inserts for plants → nothing but garbage			

- (1) Indicate location of these items on lot drawing for property.
 (2) Pools, woodpiles, outdoor furniture, etc.
 (3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

N/A

7. Fencing ⁽¹⁾ *NONE*

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

Sidewalk around perimeter of house

9. Contractor Access Notes:

*Water lines
gas lines*

Trees minimize damage and they should remain in place

10. Temporary Resident Access Notes:

N/A

11. Equipment Notes:

Can work from alley forward

12. Miscellaneous Comments:

Volume of soil to be excavated _____

Estimated excavation time *4 days* _____

Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: ST 1638 / 40
Classification: RES 2Survey Date: 1/126/94
Survey Team: JLD/RLS1. Lot Size: 100' x 125' sq. ft.12" rounded.2. Area Occupied by Structures ⁽¹⁾

House	60' x 30'	_____	sq. ft.
Garage	50' x 22'	_____	sq. ft.
Storage Buildings		_____	sq. ft.
Shed	5' x 6'		

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway	42' x 12'	gravel
Patios	20' x 6' + 20' x 6'	concrete
Sidewalks	60'	concrete
Other (Specify)		

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
elm	7	24'	NO
Osage orange	1		
honeylocust	1		
Paulownia	2		
redbud	1		

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
move shed			

- (1) Indicate location of these items on lot drawing for property.
 (2) Pools, woodpiles, outdoor furniture, etc.
 (3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

7. Fencing ⁽¹⁾

Type chainlink LF 220' Ht 3' Amt Requiring Removal 60'

Type wooden picket LF 25' Ht 3.5' Amt Requiring Removal All

8. Anticipated Structural Problems:
None
Type wood rail LF 34' Ht 2.5' Amt Req. Removal All

9. Contractor Access Notes:

Enter yard by Kennedy Dr. after removing
chain link fence.

10. Temporary Resident Access Notes:

NO

11. Equipment Notes:

Gravel equipment clearance needed

12. Miscellaneous Comments:

^{12" raised}
Volume of soil to be excavated _____

Estimated excavation time 3 days

Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: WS 1310/1316
 Classification: RES

Survey Date: 1/28/94
 Survey Team: JLD/RLS

1. Lot Size: _____ sq. ft.

2. Area Occupied by Structures ⁽¹⁾

House (65' x 30') _____ sq. ft.
 Garage on post (25' x 9') x 2 _____ sq. ft.
 Storage Buildings 9' x 6' _____ sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway (20' x 10') + (20' x 10')		concrete
Patios 6' x 14'		concrete
Sidewalks		
Other (Specify)		

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
Blue spruce	2	4" dia	no
white pine	1	4" dia	no
white spruce	1	3" dia	no
lilac	1	4" dia	yes
sweet bay	1	1" dia	yes
hibernia spruce	2	2" dia	no
st Sweet gum	3	1" dia	no
luscious	3	1" dia	yes
red tip dogwood	1	50' length 4" dia	yes
silver maple	1	2"	no
1 bundle	1	1 bundle	yes
2 bundles	2	2 bundles	yes

5. Items requiring temporary relocation ⁽²⁾

Type	Number	Size	Comments
bench saw	1	3' x 5'	
modular	1	2'	
shed	1	7' x 6'	

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

7. Fencing ⁽¹⁾

Type chainlink LF 330' Ht 4' Amt Requiring Removal _____

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

hand dig around deck

9. Contractor Access Notes:

Enter through drive area

10. Temporary Resident Access Notes:

None

11. Equipment Notes:

12. Miscellaneous Comments:

12"
Volume of soil to be excavated _____
Estimated excavation time 3 days
Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: TO 1401
Classification: RES1Survey Date: 1/28/94
Survey Team: RLS JLD1. Lot Size: $\frac{1275}{50}$ sq. ft.

12 covered

2. Area Occupied by Structures ⁽¹⁾

House 30' x 35'	_____	sq. ft.
Garage 42' x 28'	_____	sq. ft.
Storage Buildings	_____	sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway 50' x 45'	_____	gravel
Patios 35' x 17'	_____	concrete
Sidewalks ca. (28' x 3')	_____	concrete
Other (Specify)	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
mums		2 bundles	yes
roses	6	6 bundles	yes
willow	2	18" dia.	no
sweet gum		16" dia	no
various flowers (land)			

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
wishing wells	2	4' x 2' hgt	
trellis	5	2' x 3'	
playground climber	1	4' x 8'	
bench swing	1		
dog house	1	4' x 3'	

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽³⁾

Hand dig around front stoop pilons

7. Fencing ⁽¹⁾

Type Chain link LF 350' Ht 3' Amt Requiring Removal 10' for Equip

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

NONE

9. Contractor Access Notes:

REMOVE SECTION OF FENCE FOR ACCESS

10. Temporary Resident Access Notes: NONE

11. Equipment Notes:

LEAVE FENCE IF CAREFUL

12. Miscellaneous Comments:

12"
Volume of soil to be excavated _____
Estimated excavation time _____
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
(2) Pools, woodpiles, outdoor furniture, etc.
(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: IO 1400
Classification: PUBLICSurvey Date: 1/12/81
Survey Team: RLS JLD1. Lot Size: $\frac{127.5}{80}$ sq. ft.2. Area Occupied by Structures ⁽¹⁾

House	67.27	_____	sq. ft.
Garage	—	_____	sq. ft.
Storage Buildings	—	_____	sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway	_____	_____
Patios 60' x 3'	_____	_____
Sidewalks	_____	_____
Other (Specify)	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
Sycamore	1	36' DIAM.	Yes No

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
BBQ UNIT	1	3'x6'	ON LEGS
BENCHES	2	8'x1'	"

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

7. Fencing ⁽¹⁾

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

Building in very poor condition!
Care required

9. Contractor Access Notes:

Down street access as well
Alley access

10. Temporary Resident Access Notes:

None

11. Equipment Notes:

Big Bulldozers!

12. Miscellaneous Comments:

Various piles of debris wood/concrete/trash
this site will take time due to amt of material

0-12"

Volume of soil to be excavated _____

Estimated excavation time 4 days

Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: 101338
 Classification: RES 1

Survey Date: 1/128/94
 Survey Team: RLS JLD

1. Lot Size: 127.5'
30' sq. ft.

2. Area Occupied by Structures ⁽¹⁾

House 60' x 32' _____ sq. ft.
 Garage _____ sq. ft.
 Storage Buildings - _____ sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>55' x 20'</u>	_____	<u>gravel</u>
Patios <u>none</u>	_____	_____
Sidewalks <u>30' x 4'</u>	_____	<u>concrete</u>
Other (Specify) _____	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>Paulownia</u>	<u>3</u>	<u>25" dia.</u>	<u>no</u>
<u>Orange tree</u>	<u>1</u>	<u>10" dia.</u>	<u>no</u>
<u>elm</u>	<u>1</u>	<u>6" dia.</u>	<u>no</u>
<u>manzanita</u>	<u>1</u>	<u>22" dia.</u>	<u>no</u>
<u>E. cottonwood</u>	<u>65</u>	<u>7" dia.</u>	<u>no</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
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(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽³⁾

7. Fencing ⁽¹⁾

Type chainlink LF 175' Ht 3' Amt Requiring Removal 0

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

None

9. Contractor Access Notes:

Access driveway gate - 10'-11" wide

10. Temporary Resident Access Notes:

None

11. Equipment Notes:

None

12. Miscellaneous Comments:

6"

Volume of soil to be excavated _____
Estimated excavation time 2 days
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: IO 0905
 Classification: RES 1

Survey Date: 1/12/81
 Survey Team: RLS JLD

1. Lot Size: 47.5 sq. ft.
37.5

6" cement

2. Area Occupied by Structures ⁽¹⁾

House 22' x 44' sq. ft.
 Garage 22' x 18' sq. ft.
 Storage Buildings None sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>21' x 22.0'</u>		Concrete Slabs
Patios <u>None</u>		
Sidewalks <u>(45' x 3') (92' x 3')</u>		Concrete / Asphalt
Other (Specify)		

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
None indicated	30	4' high	Yes

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
None	0	18' x 18'	Foundation

- (1) Indicate location of these items on lot drawing for property.
 (2) Pools, woodpiles, outdoor furniture, etc.
 (3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾
Brickement Retaining wall (2' x 80')
hand dig around

7. Fencing ⁽¹⁾

Type Chainlink LF 275 Ht 3' Amt Requiring Removal 20' access all

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

* ~~note~~ Caution w/ soil removal around retaining wall. ^{then put back in place}

9. Contractor Access Notes:

Enter through alley area.

10. Temporary Resident Access Notes:

11. Equipment Notes:

12. Miscellaneous Comments:

6" x

Volume of soil to be excavated _____

Estimated excavation time 2.5 days

Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: IO 0811
Classification: RES 1Survey Date: 11/28/94
Survey Team: RLS JLS1. Lot Size: 127.5'
83' sq. ft.2. Area Occupied by Structures ⁽¹⁾House 50' x 30' sq. ft.
Garage NO sq. ft.
Storage Buildings 10' x 6' sq. ft.
Shed3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>(35' x 20') + (33' x 20')</u>		<u>gravel</u>
Patios -		
Sidewalks <u>160' x 3'</u>		
Other (Specify)		
<u>Mulch path 30'</u> <u>stone border</u>		<u>mulch / stone border</u>

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>Overhead fence</u>	<u>4</u>	<u>< 1' dia.</u>	<u>NO</u>
<u>(str.) Street light</u>	<u>2</u>	<u>10' dia.</u>	<u>NO</u>
<u>flowerbeds</u>	<u>6</u>	<u>(See map)</u>	<u>NO</u>
<u>plants</u>	<u>8</u>	<u>< 1' dia.</u>	

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>ARTIES</u>	<u>20</u>		
<u>Flag & Stone</u>	<u>45'</u>		<u>Move and extract soil</u>
<u>concrete tile & stone</u>	<u>80'</u>		<u>then move back.</u>

- (1) Indicate location of these items on lot drawing for property.
 (2) Pools, woodpiles, outdoor furniture, etc.
 (3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽³⁾
None

7. Fencing ⁽¹⁾

Type chainlink LF 70' Ht 5' Amt Requiring Removal None

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

None

9. Contractor Access Notes:

*Yard already done remediation w/soil.
New soil/pavers, yards in front
left shed in place
Drive in sidewalk in place*

10. Temporary Resident Access Notes:

None

11. Equipment Notes:

None

12. Miscellaneous Comments:

None

Volume of soil to be excavated _____

Estimated excavation time ~ 2 days

Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: MA 1429
Classification: RES1Survey Date: 1/25/94
Survey Team: RLS1. Lot Size: 120' x 50' = sq. ft.2. Area Occupied by Structures ⁽¹⁾

House	(33' x 10') + (30' x 25')	_____	sq. ft.
Garage	None	_____	sq. ft.
Storage Buildings	10' x 10'	_____	sq. ft.

12" remed.
OHM already
completed yard
Remediate

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway 30' x 11'	_____	_____
Patios None	_____	_____
Sidewalks 2' x 3'	_____	_____
Other (Specify)	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
Yew	2	12' hgt	no
elm	1	10' dia	no
hick	3	3-4 hgt	no

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
None			

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾
*more. why excavate when entire lot is covered
w/ building & parking lot.*

7. Fencing ⁽¹⁾ *None*

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems: *vertically
lines of building fractured to roof*

9. Contractor Access Notes:
rough access

10. Temporary Resident Access Notes:
None

11. Equipment Notes:
None

12. Miscellaneous Comments:

12" -
Volume of soil to be excavated _____
Estimated excavation time *4 days* _____
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: MA 1245
 Classification: RES 1

Survey Date: 1/28/74
 Survey Team: RLS JLD
12" re med.

1. Lot Size: 50 50 sq. ft.

2. Area Occupied by Structures ⁽¹⁾

House 43' x 98' _____ sq. ft.
 Garage None _____ sq. ft.
 Storage Buildings None _____ sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>None</u>	_____	_____
Patios <u>None</u>	_____	_____
Sidewalks <u>43' x 5'</u>	_____	_____
Other (Specify)	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>2 ft. grass strip lined dig</u>		<u>(2' x 98')</u>	
<u>None</u>			

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>None</u>			

- (1) Indicate location of these items on lot drawing for property.
 (2) Pools, woodpiles, outdoor furniture, etc.
 (3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

7. Fencing ⁽¹⁾

Type Chainlink LF 318 Ht 3' Amt Requiring Removal 40'

Type wooden stakes LF _____ Ht 6' Amt Requiring Removal _____

8. Anticipated Structural Problems:

None

9. Contractor Access Notes:

no problem
enter area by drive off of gravel.

10. Temporary Resident Access Notes:

1 1/2

11. Equipment Notes:

113732

12. Miscellaneous Comments:

3" removed.
Volume of soil to be excavated _____
Estimated excavation time _____
Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: 660911
Classification: VacantSurvey Date: 1/28/14
Survey Team: JLD/RLS1. Lot Size: 100' x 115' sq. ft.2. Area Occupied by Structures ⁽¹⁾House None sq. ft.
Garage None sq. ft.
Storage Buildings None sq. ft.3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>None</u>		
Patios <u>None</u>		
Sidewalks <u>25' x 5'</u>		
Other (Specify) <u>concrete pad</u>		<u>concrete/block cement</u>

4. Plantings ⁽¹⁾ 3' x 15' x 12'

Type	Number	Size	Removal/ Replacement Required?
Elm	2	10"	no
Screen pine	2	4' d.c.	
orange orange	1	8'	
purple/pink shrubs	2	10' x 4'	
sycaamore	2	20'	
pin oak	1	5' d.c.	no
Roses	6	bushes	no

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
oil brick pile	1	4' x 4'	
junk pile	1	8' x 8'	
wood pile	2	8' x 6'	

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

7. Fencing ⁽¹⁾

Type wooden stake LF 43' Ht 6' Amt Requiring Removal 30'
Type ^{wooden} Picket LF 36' Ht 4' Amt Requiring Removal 26'

8. Anticipated Structural Problems:

* Hand dig around deck in back

9. Contractor Access Notes:

Limited access in alley

10. Temporary Resident Access Notes:

Limited access when work begins in back yard

11. Equipment Notes:

Small equipment needed due yard size.

12. Miscellaneous Comments:

^{12 removed}
Volume of soil to be excavated _____

Estimated excavation time 2 days

Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: MA 2031
Classification: RES ISurvey Date: 1/28/74
Survey Team: JLD/RLS1. Lot Size: 33' x 120' sq. ft.2. Area Occupied by Structures ⁽¹⁾

House 33' x 24' _____ sq. ft.
 Garage 23' x 15' _____ sq. ft.
 Storage Buildings None _____ sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>(70' x 10') + (11' x 15')</u>	_____	<u>gravel</u>
Patios <u>—</u>	_____	_____
Sidewalks <u>[(15' x 4') + (22' x 5')] = 130 sq. ft.</u>	_____	<u>concrete / brick</u>
Other (Specify) _____	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>silver maple</u>	<u>1</u>	<u>20" dia.</u>	<u>NO</u>
<u>oak</u>	<u>1</u>	<u>14" dia.</u>	<u>NO</u>
<u>juniper</u>	<u>2</u>	<u>1' ht</u>	<u>YES</u>
<u>burning bush</u>	<u>2</u>	<u>2' ht</u>	<u>YES</u>
<u>ascorted flowers</u>	<u>several</u>	<u>various</u>	<u>YES</u>
<u>for. tree</u>	<u>1</u>	<u>2' ht</u>	<u>YES</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>none</u>			

- (1) Indicate location of these items on lot drawing for property.
 (2) Pools, woodpiles, outdoor furniture, etc.
 (3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

7. Fencing ⁽³⁾

Type None LF _____ Ht _____ Amt Requiring Removal _____

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

None

9. Contractor Access Notes:

grass main
fire hydrant line
The Only vegetation is located between street & side walk

10. Temporary Resident Access Notes:

1-0-2-

11. Equipment Notes:

1-0-2-

12. Miscellaneous Comments:

6" removed
Volume of soil to be excavated _____

Estimated excavation time 1 day _____

Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

 Address Code: ST 2201
 Classification: RES 8

 Survey Date: 1/28/94
 Survey Team: RLS JLD

 1. Lot Size: 125
50 sq. ft.

6" reprod

2. Area Occupied by Structures ⁽¹⁾

House	60 x 46	_____	sq. ft.
Garage	None	_____	sq. ft.
Storage Buildings	None	_____	sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway	None	_____
Patios	None	_____
✓ Sidewalks (12 x 50), (61 x 50), (5 x 125)	_____	concrete
✓ Other (Specify)	_____	_____
Packaging lot 60 x 50	_____	Asphalt

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
1. St. Ash	1	1" dia	yes dig up + replant
2. St. maple	1 row	10" dia	no
3. St. pine	1	10"	no

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
None			

- (1) Indicate location of these items on lot drawing for property.
 (2) Pools, woodpiles, outdoor furniture, etc.
 (3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

7. Fencing ⁽¹⁾

Type 10' x 2" Roll LF 10 Ht 3' Amt Requiring Removal All

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

None

9. Contractor Access Notes:

Alleyway access to most of yard except for between buildings then Contractor will have to go to front of residence and dig up wire rail fence.
Some hand digging around building required

10. Temporary Resident Access Notes:

Re-arrange parking to street parking

11. Equipment Notes:

none limit to equipment size

12. Miscellaneous Comments:

none

0-12"

Volume of soil to be excavated _____

Estimated excavation time 3 day

Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: ST 1344
 Classification: RES B

Survey Date: 1/28/94
 Survey Team: ALS JLD

1. Lot Size: 116.5 50 sq. ft.

2. Area Occupied by Structures ⁽¹⁾

House 54' x 44' _____ sq. ft.
 Garage None _____ sq. ft.
 Storage Buildings None _____ sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>2' x 35'</u>	_____	<u>gravel</u>
Patios <u>-</u>	_____	_____
Sidewalks <u>(6' x 3')</u>	_____	<u>concrete</u>
Other (Specify) _____	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>pearl onion tree</u>	<u>1</u>	<u>30" dia</u>	<u>NO - does not want</u>
<u>elm</u>	<u>1</u>	<u>1"</u>	

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>Dog house</u>			
<u>Debris (board table, boat junk, sawhorses etc.)</u>			
<u>Swingset</u>			

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽³⁾

7. Fencing ⁽¹⁾

Type chainlink LF 170 Ht 3' Amt Requiring Removal 30'
Type sheet metal fence LF 20' Ht 6' Amt Requiring Removal 0

8. Anticipated Structural Problems:

None

9. Contractor Access Notes:

Enter work area through alley

10. Temporary Resident Access Notes:

N/A

11. Equipment Notes:

NONE

12. Miscellaneous Comments:

NONE

Volume of soil to be excavated 12" remed'
Estimated excavation time 2 days
Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: ST 1022
Classification: RES 1Survey Date: 1/28/94
Survey Team: JED RLS1. Lot Size: 116.5
50 sq. ft.2. Area Occupied by Structures ⁽¹⁾House 50' x 20' _____ sq. ft.
Garage NONE _____ sq. ft.
Storage Buildings NONE _____ sq. ft.3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>20' x 12'</u>	_____	<u>gravel</u>
Patios <u>NONE</u>	_____	_____
Sidewalks <u>(9' x 3') + (2' x 55')</u>	_____	<u>concrete</u>
Other (Specify) _____	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
crab apple	1	4" dia.	NO
pin oak	1	5" dia.	NO
w/ Ash	1	10" dia.	no
hedge	several	25' in length	yes
Mums	2	2 bundles	yes
maple	1	12" dia.	no

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
brick around trees	40		
RR ties	10	8'	move out of way and put back later

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽³⁾

None noted

7. Fencing ⁽¹⁾

Type Wood Slat Fence LF 50' Ht 4' Amt Requiring Removal All

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

None

9. Contractor Access Notes:

None

10. Temporary Resident Access Notes:

NONE

11. Equipment Notes:

None

12. Miscellaneous Comments:

12" remed
Volume of soil to be excavated _____
Estimated excavation time 2 days _____
Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: ST1004
Classification: VACANTSurvey Date: / /
Survey Team: 1. Lot Size: 50' x 116.5' = sq. ft.2. Area Occupied by Structures ⁽¹⁾

House	<u>None</u>	<u> </u>	sq. ft.
Garage	<u>None</u>	<u> </u>	sq. ft.
Storage Buildings	<u>None</u>	<u> </u>	sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway	<u> </u>	<u> </u>
Patios	<u> </u>	<u> </u>
Sidewalks	<u> </u>	<u> </u>
Other (Specify)	<u> </u>	<u> </u>

4. ^{2/3} lot covered by asphalt/gravel
Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>None</u>			

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>None</u>			

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration (1)(2)

7. Fencing (1)

Type chainlink LF 83' Ht 3' Amt Requiring Removal 10'

Type white metal stake LF 42' Ht 6' Amt Requiring Removal 0'

Type wooden stake LF 45' HT 6' 45' w" removed.

8. Anticipated Structural Problems:

Hand dig around back stairs

9. Contractor Access Notes:

water meter
gas line meter

10. Temporary Resident Access Notes:

No

11. Equipment Notes:

Equipment can enter backyard ^{after ~~removal~~} through gate. Fence
most of fence can be ~~removed~~ kept

12. Miscellaneous Comments:

N/A

Volume of soil to be excavated 2' x

Estimated excavation time 2.5 days

Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

 Address Code: ED 2235
 Classification: RES 1

 Survey Date: 1/27/94
 Survey Team: RLS JLD

 1. Lot Size: 45' 45' sq. ft.

 2. Area Occupied by Structures ⁽¹⁾

House	33' x 50'	_____	sq. ft.
Garage	None	_____	sq. ft.
Storage Buildings		_____	sq. ft.

 3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway (20' x 10') / (6' x 10')	_____	Concrete/gravel/grass
Patios	_____	_____
Sidewalks (13' x 4')	_____	concrete
Other (Specify)	_____	_____

 4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
Norway spruce	1	2" dia.	yes
Sycamore	1	1" dia.	yes
Silver maple	1	18" dia	NO

 5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
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- (1) Indicate location of these items on lot drawing for property.
 (2) Pools, woodpiles, outdoor furniture, etc.
 (3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

7. Fencing ⁽¹⁾

Type chainlink LF 82' Ht 3' Amt Requiring Removal All
Type ^{wooden} Stockade LF 6' Ht 6' Amt Requiring Removal All

8. Anticipated Structural Problems:

None

9. Contractor Access Notes:

Alley access after chainlink removed

10. Temporary Resident Access Notes:

N/A

11. Equipment Notes:

None

12. Miscellaneous Comments:

Volume of soil to be excavated 6' x

Estimated excavation time 2 days

Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: ED 221214
 Classification: RES 4

Survey Date: 1/12/94
 Survey Team: RLS JLD

1. Lot Size: 125
50 sq. ft.

6" Remed. ✓

2. Area Occupied by Structures ⁽¹⁾

House 58' x 35' _____ sq. ft.
 Garage None _____ sq. ft.
 Storage Buildings None _____ sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>C/A (10' x 103') + (1000')</u>	<u>gravel</u>	<u>concrete/asphalt/gravel</u>
Patios <u>NONE</u>	_____	_____
Sidewalks <u>220' x 3'</u>	_____	<u>concrete</u>
Other (Specify) _____	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
Am. basswood	2	2" dia	yes
juniper	4	2" dia	yes
yew	4	2.5' tall	yes
white spruce	1	3' tall	yes
Bradford pear	1	2"	yes

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
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- (1) Indicate location of these items on lot drawing for property.
 (2) Pools, woodpiles, outdoor furniture, etc.
 (3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

handdig under rear stairs to remove soil

7. Fencing ⁽¹⁾ None

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

carport & back stairs

9. Contractor Access Notes:

alley open
parking lot adjoining property
gas mains
H2O mains

10. Temporary Resident Access Notes:

~~if~~ If rear stairs come out
then upstairs backdoor no access.

11. Equipment Notes:

None

12. Miscellaneous Comments:

None

12" Remed
Volume of soil to be excavated _____
Estimated excavation time _____
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
(2) Pools, woodpiles, outdoor furniture, etc.
(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: ED 2052/A
 Classification: Public

Survey Date: 1/27/97
 Survey Team: JLD RLS

1. Lot Size: 40' x 125' sq. ft.

2. Area Occupied by Structures ⁽¹⁾

House	<u>45' x 18'</u>	<u> </u>	sq. ft.
Garage/Carport		<u>200</u>	sq. ft.
Storage Buildings		<u> </u>	sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>45' x 10'</u>	<u> </u>	<u>gravel</u>
Patios <u>N/A</u>	<u> </u>	<u> </u>
Sidewalks <u>(92' x 3') (2x12')</u>	<u> </u>	<u>concrete</u>
Other (Specify) <u> </u>	<u> </u>	<u> </u>

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>yews</u>	<u>3</u>	<u>4'</u>	<u>no yes</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>Carport</u>	<u>1</u>		

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

NONE

7. Fencing ⁽¹⁾ NONE

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

NONE

9. Contractor Access Notes:

NONE

10. Temporary Resident Access Notes:

NONE

11. Equipment Notes:

NONE

12. Miscellaneous Comments:

NONE

Volume of soil to be excavated

NONE

Estimated excavation time

Estimated restoration time

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: ED2030
Classification: PUBLIC (PARKING)Survey Date: 1/27/94
Survey Team: RLS JLD1. Lot Size: 105
20 sq. ft.2. Area Occupied by Structures ⁽¹⁾House NO _____ sq. ft.
Garage NO _____ sq. ft.
Storage Buildings NO _____ sq. ft.3. Paved Areas ⁽¹⁾ ENTIRE AREA

Type	Area (sq. ft.)	Construction Material
Driveway	_____	_____
Patios	_____	_____
Sidewalks	_____	_____
Other (Specify)	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
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NONE5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
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NONE

- (1) Indicate location of these items on lot drawing for property.
(2) Pools, woodpiles, outdoor furniture, etc.
(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

7. Fencing ⁽¹⁾

Type chainlink LF 14' Ht 3 Amt Requiring Removal all

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

Front Porch in bad shape possible collapse

9. Contractor Access Notes:

None

10. Temporary Resident Access Notes:

House Vacant

11. Equipment Notes:

None

12. Miscellaneous Comments:

12" remed
Volume of soil to be excavated _____
Estimated excavation time 2.5 _____
Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: IE 1625 A/B
Classification: RES 2Survey Date: 1/27/94
Survey Team: RLS JCD1. Lot Size: 125'
46' sq. ft.2. Area Occupied by Structures ⁽¹⁾House 52' x 22' _____ sq. ft.
Garage NONE _____ sq. ft.
Storage Buildings NONE _____ sq. ft.3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>30' x 11'</u>	_____	<u>concrete</u>
Patios <u>NONE</u>	_____	_____
Sidewalks	<u>320'</u>	<u>concrete</u>
Other (Specify)	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>Paulownia</u>	<u>1</u>	<u>20"</u>	<u>NO</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>parking curbs</u>	<u>5</u>	<u>5' x 8"</u>	<u>move + then put back after remed.</u>

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

None

7. Fencing ⁽¹⁾

Type Chainlink ^{18435'} LF 46' Ht 4' Amt Requiring Removal All

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

None

9. Contractor Access Notes:

Limited access between buildings and busy st.

10. Temporary Resident Access Notes:

None

11. Equipment Notes:

—

12. Miscellaneous Comments:

6" remed
Volume of soil to be excavated _____
Estimated excavation time 4 days _____
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: DE 2001
 Classification: PUBLIC

Survey Date: 1/27/94
 Survey Team: RLS JLD

1. Lot Size: 125'
100' sq. ft.

2. Area Occupied by Structures ⁽¹⁾

House 85' x 65' _____ sq. ft.
 Garage No _____ sq. ft.
 Storage Buildings No _____ sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>None</u>	_____	_____
Patios <u>None</u>	_____	_____
Sidewalks <u>(185' x 5') + (27' x 10')</u>	_____	<u>Concrete</u>
Other (Specify) _____	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>yews</u>	<u>6 + 4</u>	<u>4"</u>	<u>no</u>
<u>E. red cedar</u>	<u>2 + 5</u>	<u>7" dia</u>	<u>no</u>
<u>st. hackberry</u>		<u>30" dia.</u>	<u>no</u>
<u>juniper</u>	<u>7</u>	<u>6" dia</u>	<u>no</u>
<u>white spruce</u>	<u>1</u>	<u>4" dia</u>	<u>no</u>
<u>mulberry</u>	<u>1</u>	<u>3" dia</u>	<u>in fence cut out</u>
<u>Oak</u>	<u>2</u>	<u>1" dia</u>	<u>in fence cut out</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
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- (1) Indicate location of these items on lot drawing for property.
 (2) Pools, woodpiles, outdoor furniture, etc.
 (3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

^{Note}
* Sidewalk around building perimeter will be hand dug out

7. Fencing ⁽¹⁾

Type wooden stockade LF 50 Ht 6' Amt Requiring Removal All

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

None

9. Contractor Access Notes:

None

10. Temporary Resident Access Notes:

Parking in back move to street

11. Equipment Notes:

open access

12. Miscellaneous Comments:

Volume of soil to be excavated 6" x
Estimated excavation time _____
Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: DE 2125 / DE 2127
Classification: RES 2Survey Date: 1/12/94
Survey Team: RLS JLD1. Lot Size: 125
80 sq. ft.

6" REMED.

2. Area Occupied by Structures ⁽¹⁾House 62 x 37 sq. ft.
Garage NONE sq. ft.
Storage Buildings NONE sq. ft.3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway/parking area	<u>450'</u>	<u>gravel</u>
Patios <u>N/A</u>		
Sidewalks <u>3' x 190'</u>		<u>concrete</u>
Other (Specify)		

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
yew	<u>1</u>	<u>4"</u>	<u>YES</u>
St. maple	<u>1</u>	<u>2" dia.</u>	<u>NO</u>
St. blackgum	<u>1</u>	<u>1" dia.</u>	<u>NO</u>
hack maple	<u>1</u>	<u>4" dia.</u>	<u>NO</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>RR Ties</u>	<u>3</u>		

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾
2 layer brick flower border
RR tie border ~ 40'
Elevated garden RR tie (2)(2x8)

7. Fencing ⁽¹⁾

Type Chainlink LF 155' Ht 3' Amt Requiring Removal all

Type wooden stockade LF 20' Ht 6' Amt Requiring Removal All
picket fence LF 15' Ht 3' Amt " " All

8. Anticipated Structural Problems:

garage might fall down, its in bad condition

9. Contractor Access Notes:

gas main
water main

Need fence down in back yard for remed. purposes

10. Temporary Resident Access Notes:

no

11. Equipment Notes:

12. Miscellaneous Comments:

6" remed.
Volume of soil to be excavated _____
Estimated excavation time 3.5 days
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
(2) Pools, woodpiles, outdoor furniture, etc.
(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: DE 2242
Classification: RES1Survey Date: 1/27/94
Survey Team: JLD RLS1. Lot Size: 125'
50' sq. ft.2. Area Occupied by Structures ⁽¹⁾House 45' x 30' _____ sq. ft.
Garage 30' x 21' _____ sq. ft.
Storage Buildings _____ sq. ft.3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>100' x 12'</u>	_____	<u>concrete</u>
Patios <u>10' x 12'</u>	_____	<u>cement block</u>
Sidewalks <u>95' x 4'</u>	_____	<u>concrete</u>
Other (Specify) _____	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
silver maple	<u>2</u>	<u>18" dia</u>	<u>no</u>
pear	<u>1</u>	<u>15" dia</u>	<u>no</u>
maple	<u>1</u>	<u>1" dia</u>	<u>no</u>
roses	<u>1</u>	<u>1 bundle</u>	<u>yes</u>
barberry	<u>1</u>	<u>1 bundle</u>	<u>yes/no might save</u>
juniper	<u>7</u>	<u>2" dia 4'</u>	<u>no try & save</u>
yews	<u>6</u>		<u>yes try & save</u>
Northern incense cedar	<u>4</u>		<u>no try & save</u>
pine	<u>1</u>	<u>15" diam</u>	<u>yes</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>ARTIE border</u>		<u>33'</u>	<u>Ask owner if</u>
<u>2 Brick layer flowerbed border</u>		<u>110'</u>	<u>they want to keep them</u> <u>or replace</u> <u>Might be cheaper to</u> <u>save</u>

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

Drain & move pool

7. Fencing ⁽¹⁾

Type wooden stockade LF 107' Ht 6' Amt Requiring Removal All

Type chainlink LF 50' Ht 3' Amt Requiring Removal 3'
_{neighbors}

8. Anticipated Structural Problems:

back porch → added on requires ^{hand} digging around base
side porch → ~~added on~~ over concrete

9. Contractor Access Notes:

Tear down fences to access back yard

10. Temporary Resident Access Notes:

Might be restricted usage in back yard till done

11. Equipment Notes:

Tight access between 2207/2205 and 2209/2211

12. Miscellaneous Comments:

Volume of soil to be excavated 6" removed
Estimated excavation time 3 days
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: CL 2209/11 (C2211)
 Classification: RES 2

Survey Date: 1/12/94
 Survey Team: TLD RLS

1. Lot Size: 125
50 sq. ft.

2. Area Occupied by Structures ⁽¹⁾

House 60' x 41' _____ sq. ft.
 Garage none _____ sq. ft.
 Storage Buildings _____ sq. ft.
Shed 6' x 7'

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>None</u>	_____	_____
Patios <u>picnic table/umbrella</u>	_____	<u>grass</u>
Sidewalks <u>(150' x 4')</u>	_____	<u>concrete</u>
Other (Specify)	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
Silver maple	<u>1</u>	<u>12" dia.</u>	<u>NO</u>
Alderway maple	<u>1</u>	<u>6" dia.</u>	<u>NO</u>
azalea	<u>1</u>	<u>1' shrub</u>	<u>yes</u>
unknown plants	<u>8</u>	<u>—</u>	<u>depends on plant type</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
swing set	<u>1</u>	<u>8'</u>	
Shed	<u>1</u>	<u>6' x 7'</u>	
pool	<u>1</u>	<u>18' diameter</u>	

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽³⁾

7. Fencing ⁽¹⁾

Type chainlink LF 350' Ht 4' Amt Requiring Removal All

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

*Back porch supports will need to be dug out
by hand*

9. Contractor Access Notes:

*Water lines
gas lines*

10. Temporary Resident Access Notes:

NONE

11. Equipment Notes:

*suggest to complete
backyard first*

12. Miscellaneous Comments:

Rem 6"

Volume of soil to be excavated _____

Estimated excavation time 3 days

Estimated restoration time _____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: BE 2153/55
Classification: RES 2Survey Date: 1/27/94
Survey Team: JLD RLS1. Lot Size: 125'
50' sq. ft.

6" Remed.

2. Area Occupied by Structures ⁽¹⁾House 35' x 58' _____ sq. ft.
Garage NONE _____ sq. ft.
Storage Buildings NONE _____ sq. ft.3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>None</u>	_____	_____
Patios <u>None</u>	_____	_____
Sidewalks <u>(40' x 4') + (12' x 4') + (116' x 4') + (9' x 28')</u>	_____	<u>Concrete</u>
Other (Specify) _____	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>Roses</u>	<u>3</u>	<u>bundles</u>	<u>yes</u>
<u>Bradford pear</u>	<u>2</u>	<u>2' dia.</u>	<u>NO</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>move swing</u>	<u>1</u>		<u>move back after during 1/2 of yard</u>

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

Buildings are very close together
hard to maneuver equip. through.

* Retaining 4.5' x 34' will be replaced old & decrepid

7. Fencing ⁽¹⁾

Type wooden picket LF 8' Ht 3' Amt Requiring Removal no
actually neighbors Type Chainlink LF 88' Ht 3.5 Amt Requiring Removal yes

8. Anticipated Structural Problems:

Deck/carport in back might collapse if concrete drive is removed

9. Contractor Access Notes:

Note: water line
1 gas line

10. Temporary Resident Access Notes:

none

11. Equipment Notes:

Sidewalk sides of house no more than 4' to work in.

12. Miscellaneous Comments:

6" remed.
Volume of soil to be excavated _____
Estimated excavation time 30 days
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: BE 1924
Classification: RES 1Survey Date: 12/7/94
Survey Team: JCD RLS1. Lot Size: 125' x 33' sq. ft.

6" re med.

2. Area Occupied by Structures ⁽¹⁾House 40' x 30 _____ sq. ft.
Garage/carport/deck 22' x 15' _____ sq. ft.
Storage Buildings none _____ sq. ft.3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>62' x 12'</u>	_____	<u>concrete</u>
Patios <u>22' x 16'</u>	_____	_____
Sidewalks <u>(23' x 4') + (54' x 4')</u>	_____	<u>concrete / brick</u>
Other (Specify) <u>concrete pad (12' x 17')</u>	_____	<u>concrete</u>

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
<u>maple</u>	<u>2</u>	<u>20" dia</u>	<u>NO</u>
<u>sweetgum</u>	<u>1</u>	<u>8" dia</u>	<u>NO</u>
<u>blackhaw</u>	<u>1</u>	<u>4' ht.</u>	_____
<u>elm</u>	<u>2</u>	<u>18"</u>	<u>NO</u>
<u>yew</u>	<u>10</u>	<u>1.5 hgt</u>	<u>YES</u>
<u>honeysuckle</u>	_____	<u>30' gnficus</u>	<u>NO</u>
<u>maples @ st.</u>	<u>2</u>	<u>> 1' dia</u>	<u>NO</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>N/A</u>	_____	_____	_____

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾
gas / Power cable underneath soil

7. Fencing ⁽²⁾ BELONGS TO NEIGHBORS

Type Chainlink LF 300' Ht ~3.5' Amt Requiring Removal All

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

NONE

9. Contractor Access Notes:

DRIVEWAY LIP IN FRONT FROM STREET
S. sidewalk lip " " " "
water meter
gas - gone

10. Temporary Resident Access Notes:

NONE

11. Equipment Notes: NEIGHBOR'S ELEC. WIRES
Run across from back

12. Miscellaneous Comments:

Volume of soil to be excavated 6" x 125 x 50
Estimated excavation time _____
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: BE 1931
Classification: VACANTSurvey Date: 1/27/94
Survey Team: JED RLS1. Lot Size: 1/2 50 sq. ft.2. Area Occupied by Structures ⁽¹⁾House NONE _____ sq. ft.
Garage " _____ sq. ft.
Storage Buildings " _____ sq. ft.3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway <u>NONE</u>	_____	_____
Patios <u>"</u>	_____	_____
Sidewalks <u>50 x 5 CITY</u>	_____	<u>CEMENT -</u>
Other (Specify) _____	_____	_____

4. Plantings ⁽¹⁾ CLEAR

Type	Number	Size	Removal/ Replacement Required?
<u>Paulownia</u>	<u>6</u>	<u>< 1" dia</u>	<u>NO</u>

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
<u>NONE</u>			

- (1) Indicate location of these items on lot drawing for property.
 (2) Pools, woodpiles, outdoor furniture, etc.
 (3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽³⁾
Excess Junk in back yard wood/scaffolds/cars
Swingset / flower planters

7. Fencing ⁽¹⁾ CHAIN LINK 103' + 35' + 103'

Type Chainlink LF _____ Ht _____ Amt Requiring Removal 411 35' back fence
Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

N/A

9. Contractor Access Notes:
Be ware gas mains
" Water main

10. Temporary Resident Access Notes:

N/A

11. Equipment Notes:

Small bobcat
small trencher
for tight work area

12. Miscellaneous Comments:

6"
Volume of soil to be excavated _____
Estimated excavation time 3-5 days
Estimated restoration time _____

- (1) Indicate location of these items on lot drawing for property.
- (2) Pools, woodpiles, outdoor furniture, etc.
- (3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: BE 1935
 Classification: RES 1

Survey Date: 1/27/94
 Survey Team: JLD RLS

1. Lot Size: $\frac{125}{30} \times \frac{50}{30}$ sq. ft.

2. Area Occupied by Structures ⁽¹⁾

House 30 x 48' _____ sq. ft.
 Garage 22' x 20' _____ sq. ft.
 Storage Buildings none _____ sq. ft.

3. Paved Areas ⁽¹⁾

Type	Area (sq. ft.)	Construction Material
Driveway 120' x 9'	_____	GRAVEL
Patios <u>None</u>	_____	_____
Sidewalks <u>none</u> <u>10' x 89' / 1</u>	_____	(4' x 89') concrete / (3' x 50' brick)
Other (Specify) <u>RETAINING WALL</u>	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
red cedar	2	4"	no
jun. pers	7	2" dia. 5' ht	no
paulownia	2	12" dia	no REMOVE owner say
sycamore	1	16" dia	no
elm	1	28" dia.	no
st. * pin oak	1	6" dia.	no
st. * maple	1	1" dia	yes
maple	1	5" dia.	no
barberry?	6	bundles	yes
yew	4	2" dia	yes
roses	1	bundle	yes

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
CARS	3		IN DISREPAIR
SITED	1	6' x 8'	on wood platform

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

6. Other features requiring consideration ⁽¹⁾⁽²⁾

stump - on map
garden area - RR ties in place
laundry poles - 2

7. Fencing ⁽¹⁾

Type Chainlink LF 225' Ht 3' Amt Requiring Removal All

Type _____ LF _____ Ht _____ Amt Requiring Removal _____

8. Anticipated Structural Problems:

None

9. Contractor Access Notes:

limited access through alley
gas lines
H2O lines

10. Temporary Resident Access Notes:

fence off sidewalk for residential access.

11. Equipment Notes:

N/A ~~THAT~~

12. Miscellaneous Comments:

6" Remed

Volume of soil to be excavated _____

Estimated excavation time 3 days (cause of plants)

Estimated restoration time 1 day

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

FIELD WORKSHEET

PROJECT NO. 5867

Address Code: AD 2116
Classification: RES1Survey Date: 1/27/94
Survey Team: JLD/RLS1. Lot Size: 50' x 125' sq. ft.

6" REMED.

2. Area Occupied by Structures ⁽¹⁾House (45' x 25') _____ sq. ft.
Garage none _____ sq. ft.
Storage Buildings (13' x 11') _____ sq. ft.* could not access
back yard3. Paved Areas ⁽¹⁾wooden
shed
concrete floor

Type	Area (sq. ft.)	Construction Material
Driveway 50' x 14'	_____	gravel/concrete
Patios N/A	_____	_____
Sidewalks (4' x 13') + (11' x 4')	_____	concrete
Other (Specify)	_____	_____

4. Plantings ⁽¹⁾

Type	Number	Size	Removal/ Replacement Required?
walnut	3	9"	no
privet hedge	60' long	4' hgt	yes
E. redbud	1	5"	no
black cherry	1	4' hgt	no
pecan	1	4' hgt	No, move & replant
burning bush	3	1' hgt.	yes
unknown shrub	1	1' hgt.	yes

5. Items requiring temporary relocation ⁽¹⁾⁽²⁾

Type	Number	Size	Comments
wooden shed	1	13' x 11'	
swing set	1	10' length	
garbage stand	1	stand 4' x 8'	

(1) Indicate location of these items on lot drawing for property.

(2) Pools, woodpiles, outdoor furniture, etc.

(3) Retaining walls, propane tanks, cisterns, etc.

23	BR2014	RES 1	?	Y	N	
24	SP1712	RES 1	Y			
24	SP1716	RES 1	Y			
24	SP1720	RES 1	Y			
24	SP1724	RES 1	Y			
24	SP1728	RES 1	Y			
24	SP1732	RES 1	Y	Y	N	
24	SP1734	RES 1	Y	Y	N	
24	SP1740	RES 1	Y			
24	SP1744	RES 1	Y	N	N	
24	SP1750	RES 1	Y	Y	N	
24	SP1754	RES 1	G	N	N	
24	MP1709	RES 1	R	N	N	
24	MP1713	RES 1	Y	Y	N	
24	MP1715	RES 1	R			
24	MP1725	RES 1	Y			
24	MP1727	RES 1	R	Y	N	
24	MP1729	RES 1	R	N	N	
24	MP1731	RES 1	R	Y	Y	
24	MP1733	RES 1	Y	Y	N	
24	MP1737	RES 1	Y	N	N	
24	MP1739	RES 1	R	Y	N	
24	MP1741	RES 1	R	N	N	
24	MP1743	RES 1	R			
24	MP1745	RES 1	R			
24	MP1747	RES 1	G	N	N	
24	MP1716	RES 1	Y	Y	N	
24	MP1720A/B	RES 2	Y	Y	N	
24	MP1722	RES 1	Y	Y	Y	
24	MP1726	RES 1	Y			
24	MP1730	RES 1	Y	Y	N	
24	MP1732	PUBLIC	Y			
24	MP1738	RES 1	Y	Y	N	
24	MP1742	RES 1	G	N	N	
24	MP1744	RES 1	R	Y	N	
24	MP1748	RES 1	Y	Y	N	
24	MP1750	RES 1	G			
24	OL1713	RES 1	Y	N	N	
24	OL1717	RES 1	Y	N	N	
24	OL1719	RES 1	R	Y	N	
24	OL1721	RES 1	R	Y	Y	
24	OL1725/27	RES 2	G	Y	Y	
24	OL1729	RES 1	R	Y	N	
24	OL1731	RES 1	R			
24	OL1735	RES 1	R	Y	N	
24	OL1737	RES 1	R			
24	OL1739/41	RES 2	Y	N	N	
24	OL1743	RES 1	Y			
24	OL1747	RES 1	Y	Y	Y	

24	OL1751	RES 1	G	Y	N	
25	SP1602	RES 1	G	Y	N	
25	SP1606	RES 1	Y			
25	SP1610	RES 1	Y	N	N	
25	SP1614	RES 1	Y	N	N	
25	SP1618	RES 1	Y	Y	Y	
25	SP1622	RES 1	Y			
25	SP1626	RES 1	Y	Y	Y	
25	SP1630	RES 1	Y			
25	SP1634	RES 1	Y	Y	N	
25	SP1638	RES 1	Y	Y	N	
25	SP1642	RES 1	Y	Y	N	
25	SP1646	RES 1	Y	Y	N	
25	SP1648	RES 1	Y	N	N	
25	MP1603	RES 1	G	Y	Y	
25	MP1605	RES 1	R			
25	MP1607	RES 1	R	Y	N	
25	MP1611	RES 1	Y	Y	N	
25	MP1617	RES 1	Y	Y	N	
25	MP1619	RES 1	Y	N	N	
25	MP1623	RES 1	Y			
25	MP1627	RES 1	Y	Y	Y	
25	MP1633	RES 1	Y	Y	N	
25	MP1635	RES 1	Y	Y	N	
25	MP1637	RES 1	R	Y	N	
25	MP1641	RES 1	R	Y	Y	
25	MP1643	RES 1	R	Y	N	
25	MP1647	RES 1	R	N	N	
25	MP1649	RES 1	R	N	N	
25	MP1651	RES 1	Y			
25	MP1602	RES 1	G	N	N	
25	MP1606	RES 1	Y			
25	MP1610	RES 1	Y	Y	N	
25	MP1614	RES 1	Y	Y	N	
25	MP1618	RES 1	Y	Y	Y	
25	MP1622	RES 1	Y	N	N	
25	MP1624/26	RES 2	Y			
25	MP1628	RES 1	R			
25	MP1630	RES 1	Y			
25	MP1632	RES 1	R	Y	N	
25	MP1640	RES 1	R	Y	Y	
25	MP1642	RES 1	Y	Y	Y	
25	MP1644	RES 1	Y	Y	Y	
25	MP1648	RES 1	Y	Y	Y	
25	OL1601	RES 1	G	N	N	
25	OL1625	RES 1	Y	Y	Y	
25	OL1627	RES 1	Y			
25	OL1629	RES 1	Y	Y	N	
25	OL1631	RES 1	Y	Y	Y	

25	OL1633	RES 1	Y	Y	N	
25	OL1635	RES 1	Y	Y	Y	
25	OL1637	RES 1	Y			
25	OL1639	RES 1	Y	N	N	
25	OL1641	RES 1	Y			
25	OL1643	RES 1	Y			
25	OL1647/49	RES 2	Y	N	N	
25	OL1651	RES 1	Y	Y	N	
26	OL1750	RES 1	G			
26	OL1748	RES 1	Y			
26	OL1744	RES 1	Y	Y	N	
26	OL1740	RES 1	Y			
26	OL1738	RES 1	R	Y	N	
26	OL1734	RES 1	R	Y	N	
26	OL1732	RES 1	Y	Y	N	
26	OL1728	RES 1	Y			
26	OL1724	RES 1	Y	Y	N	
26	OL1720	RES 1	Y	Y	N	
26	OL1716	RES 1	Y	Y	N	
26	OL1712A/B	RES 2	Y	Y	N	
26	CH1753	RES 2	G	Y	N	
26	CH1751	RES 1	Y	Y	N	
26	CH1747	RES 1	Y	Y	N	
26	CH1743	RES 1	Y	Y	N	
26	CH1739	RES 1	Y	Y	N	
26	CH1735	RES 1	Y	N	N	
26	CH1731	RES 1	Y	Y	Y	
26	CH1723	RES 1	G	N	N	
26	CH1719	RES 1	Y	N	N	
26	CH1715	RES 2	Y	Y	Y	
26	CH1754	RES 1	G	N	N	
26	CH1750	RES 1	Y	Y	N	
26	CH1746	RES 1	Y			
26	CH1740	RES 1	Y			
26	CH1736/38	RES 2	Y			
26	CH1732/34	RES 2	Y	Y	Y	
26	CH1728	RES 1	Y	Y	N	
26	CH1724/26	RES 2	Y			
26	CH1722	RES 1	R			
26	CH1720	RES 1	R			
26	CH1718	RES 1	R	N	N	
26	CH1716	RES 1	R	Y	Y	
26	CH1714	RES 1	R	Y	N	
26	CH1712	RES 1	R	Y	N	
26	WA1751	RES 1	G	Y	Y	
26	WA1747	RES 1	Y	Y	N	
26	WA1745	RES 1	Y	Y	N	
26	WA1741	RES 1	Y	Y	N	
26	WA1735	RES 1	Y			

26	WA1733	RES 1	Y			
26	WA1727	RES 1	Y			
26	WA1725	RES 1	Y			
26	WA1721	RES 1	R	Y	Y	
26	WA1717	RES 1	R	Y	Y	
26	WA1713	RES 1	R	Y	Y	
26	WA1711	RES 1	B	Y	Y	
27	NI0901	RES 1	BK			
27	NI0915/17	RES 3	G			
27	?	RES 1	R			
27	NI0929	COMM	Y	Y	N	
27	NI0931	RES 1	R	Y	N	
27	NI0935	RES 1	Y			
27	NI0945	RES 3	BK	Y	Y	
27	NI0910	COMM	R	Y	N	
27	NI7	RES 1	R			
27	NI0912	RES 1	R			
27	NI0938	COMM	R	Y	Y	
27	NI0944	COMM	BK			
27	OL1650	RES 1	Y	Y	N	
27	OL1646/48	RES 2	B	Y	N	
27	OL1642/44	RES 2	B	N	N	
27	OL1638/40	RES 2	Y	Y	N	
27	OL1636	RES 1	R	Y	Y	
27	OL1634	RES 1	R	Y	Y	
27	OL1632	RES 1	Y			
27	OL1628	RES 1	Y			
28	NI0801	VAC	G			
28	NI0807	RES 1	G	Y	N	
28	NI0809	RES 1	G	N	N	
28	NI0821	RES 1	G	Y	N	
28	MP1708	RES 1	R	Y	N	
28	NI0837/39	RES 2	R	Y	Y	
28	NI 0822	PUBLIC	BK	Y	Y	
28	NI0828	RES 1	R	Y	Y	
28	NI0830	RES 1	R	Y	Y	
28	NI0834	RES 1	R	Y	Y	
28	NI0840	PUBLIC	BK	Y	N	
29	ST1406	RES 1	Y			
29	ST1408	RES 1	B	Y	Y	
29	ST1412	RES 1	B			
29	ST1436	VAC	B			
29	GR1401	RES 1	BK	Y	Y	
29	GR1413	RES 1	B			
29	GR1415	RES 1	B	Y	Y	
29	GR1417	RES 1	R			
29	GR1419	VAC	R	Y	Y	
29	GR1423	RES 1	B	Y	Y	
29	GR1425	RES 1	R	Y	Y	

29	GR1427	RES 1	R			
29	GR1429	RES 1	R			
29	GR1431	RES 1	R			
29	GR1437	RES 1	G	Y	Y	
29	GR1443	RES 1	B	Y	Y	
29	GR1447	RES 1	BK			
29	GR1410	RES 1	BK	Y	Y	
29	GR1412	RES 1	R	Y	Y	
29	GR1414	RES 1	B	Y	Y	
29	GR1418	RES 1	B	Y	Y	
29	GR1422	RES 1	B	Y	Y	
29	GR1424	RES 1	B	Y	Y	
29	GR1436	RES 1	B	Y	Y	
29	GR1438	RES 1	R			
29	GR1440	RES 1	R	Y	Y	
29	GR1442	VAC	B	Y	Y	
29	MA1401	RES 1	B			
29	MA1407	RES 1	B			
29	MA1411	RES 1	B			
29	MA1413	RES 1	R	Y	Y	
29	MA1415	RES 1	R	Y	Y	
29	MA1419	RES 1	B	Y	Y	
29	MA1423	RES 1	B	Y	Y	
29	MA1425	RES 1	R			
29	MA1427	RES 1	R			
29	MA1429	RES 1	B	Y	Y	
29	MA1433/35	RES 2	G			
29	MA1439	RES 1	R	Y	Y	
29	MA1441	RES 1	G			
30	MA1400/02	RES 2	Y			
30	MA1406A	RES 1	G			
30	MA1412	RES 2	G			
30	MA1420	RES 1	Y	N	N	
30	MA1424	RES 1	Y			
30	MA1426-28	RES 2	Y			
30	MA1430	RES 1	Y			
30	MA1436	RES 1	G	Y	Y	
30	MA1440	RES 1	B			
30	IO1401	RES 1	BK			
30	IO1405	RES 1	Y			
30	IO1415	RES 1	Y	Y	N	
30	IO1417	RES 1	R			
30	IO1419	RES 1	R			
30	IO1421	RES 1	Y	Y	Y	
30	IO1423	RES 1	R	Y	N	
30	IO1427	RES 1	G			
30	IO1400	PUBLIC	Y			
30	IO1404	RES 1	Y			
30	IO1408	RES 1	G	Y	Y	

30	WS1405	RES 1	Y	Y	Y	
30	WS1409	VAC	R			
30	WS1411	RES 1	Y			
30	WS1400/02	RES 2	B	Y	Y	
31	ST1300	RES 1	B			
31	ST1304	VAC	B			
31	ST1310	RES 1	B	N	N	
31	ST1312	RES 1	G			
31	ST1320	RES 1	B	Y	N	
31	ST1322	RES 1	R	Y	N	
31	ST1328	RES 1	R			
31	ST1342	COMM	B			
31	ST1347	RES 5	B			
31	GR1303	RES 1	B			
31	GR1307	RES 1	B			
31	GR1309	RES 1	R	Y	N	
31	GR1311	RES 1	B			
31	GR1317	RES 1	Y			
31	GR1323	RES 1	B	Y	N	
31	GR1325	RES 1	R	Y	Y	
31	GR1327	RES 1	R	Y	Y	
31	GR1329	VAC	R			
31	GR1345	VAC	B			
31	GR1347	RES 1	B			
31	GR1300	PUBLIC	B			
31	GR1306	RES 1	B			
31	GR1308	RES 1	R	Y	N	
31	GR1310	RES 1	R	Y	N	
31	GR1312	RES 1	B	Y	N	
31	GR1318	RES 1	G	Y	N	
31	GR1320	RES 1	G	Y	N	
31	GR1330	VAC	B			
31	GR1332	VAC	B			
31	MA1303	VAC	B			
31	MA1305	VAC	R			
31	MA1309	VAC	R			
31	MA1311	VAC	R			
31	MA1315	VAC	R			
31	MA1319	VAC	B			
31	MA1321	VAC	B			
31	MA1329	RES 1	BK			
31	MA1333	RES 1	B			
32	MA1300	COMM	BK			
32	MA1316	VAC	G			
32	MA1318-24	RES 1	G			
32	MA1328	VAC	R			
32	MA1340	COMM	Y	N	N	
32	MA1348	RES 1	Y	Y	N	
32	IO1301	RES 1	Y			

32	IO1305	RES 1	R			
32	IO1307	RES 1	R			
32	IO1311	RES 1	R	Y	N	
32	IO1313	RES 1	BK			
32	IO1327	RES 1	BK			
32	IO1329	RES 1	Y			
32	IO1300	RES 1	Y			
32	IO1302/04	RES 1	Y	Y	N	
32	IO1310	PUBLIC	G	N	N	
32	IO1314	RES 1	R			
32	IO1316	RES 1	Y	Y	N	
32	IO1322	PUBLIC	Y			
32	IO1324	RES 1	Y	Y	N	
32	IO1326	RES 1	Y			
32	IO1338	RES 1	Y			
32	IO1348	PUBLIC	BK			
32	WS1301	COMM	R			
32	WS1307	RES 1	G			
32	WS1309	RES 1	Y			
32	WS1315	RES 1	G			
32	WS1317	RES 1	R			
32	WS1319	RES 1	R			
32	WS1321	RES 1	R	Y	N	
32	WS1323	RES 1	R			
32	WS1325	RES 1	R			
32	WS1329	COMM	BK			
33	ST1200	RES 1	BK			
33	GR1201	RES 1	BK	Y	N	
33	GR1217	RES 1	BK			
33	GR1225	RES 1	B	Y	N	
33	GR1229	RES 1	B	Y	N	
33	GR1231	RES 1	B	Y	N	
33	GR1233	PUBLIC	BK			
33	GR1206	RES 1	R			
33	GR1208	RES 1	R			
33	GR1212/16	RES 2	BK	N	N	
33	GR1222	RES 1	B			
33	GR1224	RES 1	R			
33	GR1226	RES 1	R			
33	GR1230	RES 1	B			
33	GR1232	RES 1	B			
33	GR1238	RES 1	B	Y	N	
33	GR1240	VAC	B	N	N	
33	MA1225	RES 1	BK			
33	MA1227	RES 1	R			
33	MA1241	PUBLIC	B			
33	MA1245	PUBLIC	BK			
34	MA1200	RES 1	BK			
34	MA1216	RES 1	B			

34	MA1218	RES 1	BK			
34	MA1230	RES 1	Y	Y	Y	
34	MA1240	RES 2	BK			
34	IO1201	RES 1	Y			
34	IO1205	RES 1	Y	N	N	
34	IO1211	RES 1	Y	Y	N	
34	IO1213	RES 1	Y	Y	N	
34	IO1217	RES 1	B	Y	N	
34	IO1223	RES 1	B			
34	IO1227	RES 1	Y			
34	IO1229	RES 1	Y	Y	Y	
34	IO1231	RES 1	R	Y	N	
34	IO1235	RES 1	G	N	N	
34	IO1245	RES 1	Y			
34	IO1202	RES 1	Y	N	N	
34	IO1208	RES 1	Y	N	N	
34	IO1216	RES 1	Y			
34	IO1218	RES 1	B	Y	N	
34	IO1222	RES 1	B			
34	IO1224	RES 1	R	Y	N	
34	IO1230	RES 1	G	Y	N	
34	IO1234	RES 1	Y	N	N	
34	IO1238	RES 1	Y	N	N	
34	WS1201	RES 1	Y	N	N	
34	WS1203	RES 1	Y	Y	N	
34	WS1205	RES 1	Y			
34	WS1215	RES 1	Y	N	N	
34	WS1219	RES 1	B			
34	WS1229	RES 1	B			
34	WS1231	RES 1	Y			
34	WS1233	RES 1	Y			
34	WS1235	RES 1	Y	N	N	
34	WS1237	RES 1	BK			
35	ST1000	VAC	Y			
35	ST1004	VAC	B			
35	ST1022	RES 1	G	Y	Y	
35	ST1102	RES 1	B	Y	N	
35	ST1114	VAC	R			
35	ST1116	RES 1	R			
35	ST1118	RES 1	R			
35	ST1120	RES 1	R			
35	ST1122	COMM	Y			
35	GR1003	RES 1	Y			
35	GR1007	RES 1	B			
35	GR1009	RES 1	B	N	N	
35	GR1013	RES 1	B	Y	N	
35	GR1017	RES 1	B	Y	Y	
35	GR1021	RES 4	R			
35	GR1023	RES 1	R			

35	GR1101	RES 1	R	Y	Y	
35	GR1103/05	RES 2	B	Y	N	
35	GR1107	RES 1	R			
35	GR1115	RES 1	B			
35	GR1121	RES 1	G			
35	GR1123	RES 1	R			
35	GR1125	RES 1	R	Y	Y	
35	GR1000	VAC	R			
35	GR1002	RES 1	B			
35	GR1008	COMM	B			
35	GR1012	RES 1	B	Y	Y	
35	GR1018	RES 1	B	Y	Y	
35	GR1020	RES 1	B	Y	N	
35	GR1024	RES 1	B			
35	GR1100	RES 1	R			
35	GR1102	RES 1	R			
35	GR1106	VAC	B	N	N	
35	GR1118	VAC	R			
35	GR1120	VAC	R			
35	MA1009	RES 1	R	Y	N	
35	MA1013	RES 1	R			
35	MA1017	RES 1	B			
35	MA1021	RES 1	B			
35	MA1023	RES 1	R			
35	MA1025	RES 1	R			
35	MA1027	RES 1	R			
35	MA1103	RES 1	R			
35	MA1109/11	RES 3	B			
35	MA1113	RES 1	B			
35	MA1115	RES 1	BK			
36	MA1126	RES 1	G			
36	IO1005	RES 1	Y	Y	N	
36	IO1009	RES 1	R	Y	N	
36	IO1011	RES 1	R	N	N	
36	IO1013	RES 1	R			
36	IO1015	RES 1	R			
36	IO1017	RES 1	Y			
36	IO1025	RES 1	R			
36	IO1027	RES 1	Y			
36	IO1031	RES 1	Y	N	N	
36	IO1109	RES 1	G			
36	IO1115/17	RES 2	Y			
36	IO1123	RES 1	Y			
36	TL1518	RES 1	R			
36	TL1520	RES 1	B			
36	IO1002	RES 1	Y	N	N	
36	IO1004/06	RES 1	Y	Y	N	
36	IO1008	RES 1	R			
36	IO1012A/B	RES 2	Y	N	N	

36	IO1014	RES 1	Y	Y	N	
36	IO1018	RES 1	Y	N	N	
36	IO1026	RES 1	Y	Y	Y	
36	IO1028	RES 1	R	Y	Y	
36	IO1030	RES 1	G	N	N	
36	IO1116	RES 1	G			
36	IO1120	RES 1	R	N	N	
36	IO1122	RES 1	Y	N	N	
36	IO1124	RES 1	G	N	N	
36	WS1001	RES 1	R	N	N	
36	WS1003/B	RES 2	R	N	N	
36	WS1005	RES 1	Y	N	N	
36	WS1011	RES 1	Y			
36	WS1013	RES 1	R	N	N	
36	WS1015	RES 1	R			
36	WS1017	RES 1	R			
36	WS1021	RES 1	Y			
36	WS1025	RES 1	Y			
36	WS1029	RES 1	Y	N	N	
36	WS1033	RES 1	Y			
36	WS1037	RES 1	Y			
36	WS1041	RES 1	Y			
36	WS1045	RES 1	Y			
36	WS1047	RES 1	R			
36	WS1051/1-4	RES 4	B			
37	ST0814	COMM	BK	Y	Y	
37	ST0816	RES 1	BK	Y	N	
37	ST0818	VAC	R	Y	N	
37	ST0820	VAC	R			
37	ST0822	VAC	B			
37	ST0824	VAC	R			
37	ST0826	VAC	BK			
37	GR0803	RES 1	Y	Y	N	
37	GR0805	RES 1	R	Y	Y	
37	GR0807	RES 1	R	Y	Y	
37	GR0811	RES 1	B	Y	Y	
37	GR0813	RES 1	R			
37	GR0817	RES 1	R			
37	GR0821	VAC	R			
37	GR0823	RES 1	R			
37	GR0825	RES 1	R	Y	Y	
37	GR0901	RES 1	B	Y	Y	
37	GR0903/07	RES 2	B			
37	GR0911	VAC	BK	Y	N	
37	GR0917	RES 1	B			
37	GR0919	RES 1	R	N	N	
37	GR0921/23	RES 2	B			
37	GR0925	RES 1	R			
37	GR0802	VAC	G			

37	GR0806	RES 1	B			
37	GR0808	RES 1	B	N	N	
37	GR0816	RES 1	Y			
37	GR0818	RES 1	R			
37	GR0820	RES 1	B	N	N	
37	GR0900	RES 1	B	N	N	
37	GR0904	RES 1	B	N	N	
37	GR0906	RES 1	R	Y	Y	
37	GR0908	RES 1	R			
37	GR0910	RES 1	R			
37	GR0914	RES 1	B			
37	GR0916	RES 1	R			
37	GR0918	RES 1	R			
37	GR0920	RES 1	R			
37	GR0922	RES 1	R	N	N	
37	MA0819	RES 1	B	Y	Y	
37	MA0821	RES 1	R			
37	MA0825	RES 1	R			
37	MA0903	RES 1	B			
37	MA0905	RES 1	R			
37	MA0907	RES 1	B	Y	N	
37	MA0909	RES 1	R			
37	MA0917	RES 1	G	Y	N	
38	MA0810	RES 1	G			
38	MA0814	RES 1	Y	Y	Y	
38	MA0818	RES 2	G			
38	MA0900	COMM	BK			
38	MA0924	RES 6	R			
38	IO0801	RES 1	R	N	N	
38	IO0803	RES 1	R	N	N	
38	IO0805	RES 1	R	N	N	
38	IO0807	RES 1	R			
38	IO0809/11	RES 2	G			
38	IO0817	RES 1	B	Y	N	
38	IO0819	RES 1	R			
38	IO0821	RES 1	R			
38	IO0823	RES 1	R	N	N	
38	IO0825	RES 1	R	Y	N	
38	IO0827	RES 1	R			
38	IO0905	RES 1	R			
38	IO0907	RES 1	Y			
38	IO0909	RES 1	R	Y	N	
38	IO0911	RES 1	R			
38	IO0913	RES 1	R	N	N	
38	IO0915-17	RES 1	Y	Y	N	
38	IO0919	RES 1	Y			
38	IO0923/25	RES 2	Y			
38	IO0800	RES 1	Y			
38	IO0804	RES 1	R	Y	N	

38	IO0806	RES 1	R		
38	IO0810	RES 1	Y	N	N
38	IO0812	RES 1	R	Y	Y
38	IO0816	RES 1	Y	Y	N
38	IO0820	RES 1	Y	N	N
38	IO0822	RES 1	Y	N	N
38	IO0900	RES 1	R	Y	N
38	IO0904	RES 1	R		
38	IO0908/08	RES 2	Y	N	N
38	IO0912	RES 1	Y	Y	N
38	IO0916	RES 1	Y	Y	N
38	IO0918/20	RES 1	BK		
38	WS0805	RES 1	G	Y	N
38	WS0807	RES 1	R		
38	WS0809	RES 1	R		
38	WS0811	RES 1	R	Y	Y
38	WS0813	RES 1	R	N	N
38	WS0815	RES 1	R		
38	WS0821	RES 1	Y	Y	Y
38	WS0823	RES 1	Y		
38	WS0901	RES 1	Y		
38	WS0905	RES 1	Y		
38	WS0907	RES 1	R		
38	WS0911	RES 1	R	N	N
38	WS0913	RES 1	R		
38	WS0917	RES 1	Y	N	N
38	WS0919/21	RES 2	G	Y	N
38	WS0925	RES 1	R		
39	WS1300-02	RES 1	Y	Y	N
39	KE1603	RES 1	B		
39	KE1605	RES 1	B	N	N
39	KE1607	RES 1	B	N	N
39	KE1609	RES 1	B	N	N
39	WS1300/02	RES 1	BK	Y	N
39	KE1604	RES 1	B	Y	Y
39	KE1608	RES 1	BK	Y	N
39	KE1610	RES 1	B	N	N
39	KE1612	RES 1	B	N	N
39	KE1614/16	RES 2	BK	N	N
39	EL1601	RES 1	Y	N	N
39	EL1603	RES 1	B	Y	N
39	EL1605	RES 1	B		
39	EL1607	RES 1	B		
39	EL1609	RES 1	Y	N	N
39	EL1611	RES 1	Y	Y	N
39	EL1613	RES 1	Y		
39	EL1615	RES 1	Y		
39	EL1617	RES 1	Y		
40	KE1711	PUBLIC	BK	N	N

40	KE1700	RES 1	G			
40	KE1702	RES 1	BK	Y	N	
40	KE1706	RES 1	BK	N	N	
40	KE1710	RES 1	B			
40	KE1712	RES 1	G			
40	KE1714	RES 1	G	N	N	
40	KE1720	RES 4	B	N	N	
40	KE1722	RES 4	B	N	N	
40	KE1724	RES 1	G			
40	EL1701	RES 1	Y			
40	EL1703	RES 1	Y	Y	N	
40	EL1705	RES 1	Y			
40	EL1707	RES 1	Y	N	N	
40	EL1709	RES 1	Y	N	N	
40	EL1709HF	RES 1	B			
40	EL1711	RES 1	B	N	N	
40	EL1713	RES 1	B	Y	Y	
40	EL1715	RES 1	B	N	N	
40	EL1717	RES 1	B	N	N	
40	EL1719	RES 1	B			
40	EL1721	RES 1	B			
40	EL1723	RES 1	B	N	N	
40	EL1725	RES 1	B	N	N	
41	AL1200	RES 1	B	N	N	
41	AL1204	RES 1	G			
41	AL1206	RES 1	BK			
41	AL1218	RES 1	G	N	N	
41	AL1220	RES 1	R			
41	AL1224	RES 1	BK	Y	N	
41	EL1606	RES 1	Y	N	N	
41	EL1608	RES 1	G	N	N	
41	GW1105	RES 1	BK	N	N	
41	GW1111	RES 1	B	N	N	
41	GW1113	RES 1	B			
41	GW1115/17	RES 1	BK			
41	GW1133	RES 1	BK			
41	GW1135	RES 1	BK			
42	GW1104	RES 1	G			
42	GW1108	RES 1	G	Y	N	
42	GW1112	RES 1	B	Y	N	
42	GW1116	RES 1	G			
42	GW1120	RES 1	G			
42	GW1126	RES 1	G			
42	GW1132	RES 1	G			
42	GW1136	RES 1	BK	N	N	
42	RE1101R	RES 1	R			
42	RE1101/03	RES 2	G			
42	RE1113	VAC	G	N	N	
42	RE1115	RES 1	BK	N	N	

42	RE1119	RES 1	G	Y	N	
42	RE1121	RES 1	G			
42	RE1125	RES 1	G			
42	RE1129	RES 1	G	N	N	
42	RE1135	RES 1	BK			
42	RE1100	RES 1	G			
42	RE1104	RES 1	G	N	N	
42	RE1108-10	RES 2	Y	N	N	
42	RE1112	RES 1	R	Y	N	
42	RE1114	RES 1	R	N	N	
42	RE1116	RES 1	G			
42	RE1122	RES 1	G			
42	RE1124	RES 1	R			
42	RE1126	RES 1	R			
42	RE1128	RES 1	R	Y	N	
42	RE1130	RES 1	R	Y	Y	
42	RE1132	RES 1	R			
42	RE1134	RES 1	R			
42	RE1136	RES 1	R	Y	N	
42	MC1101	RES 1	R			
42	MC1103	RES 1	R	N	N	
42	MC1105	RES 1	R	Y	N	
42	MC1107	RES 1	G			
42	MC1111	RES 1	G	N	N	
42	MC1115	RES 1	G	N	N	
42	MC1119	RES 1	G			
42	MC1125	RES 1	BK			
42	MC1131/33	RES 2	G			
42	EL1914	RES 1	R			
42	EL1916	RES 1	R	Y	N	
42	EL1918	RES 1	R	N	N	
42	EL1920	RES 1	R	Y	Y	
43	AL1000	RES 1	B			
43	AL1004	RES 1	B			
43	AL1008	RES 1	B			
43	AL1010	RES 1	B			
43	AL1012	RES 1	R			
43	AL1014	RES 1	G	N	N	
43	AL1018	RES 1	R			
43	AL1022	RES 1	G			
43	AL1026	RES 1	G			
43	GW1001	RES 1	R	N	N	
43	GW1005	RES 1	G			
43	GW1009	RES 1	G	Y	N	
43	GW1015	RES 1	R	Y	Y	
43	GW1019	RES 1	R			
43	GW1021	RES 1	R			
43	GW1004	RES 1	G			
43	GW1006	RES 1	B	N	N	

43	GW1012	RES 1	BK	Y	N	
43	GW1014	RES 1	R	Y	Y	
43	GW1016	RES 1	R			
43	GW1018	RES 1	R	N	N	
43	GW1020	RES 1	R	N	N	
43	GW1022	RES 1	R			
43	GW1024	RES 1	R	N	N	
43	GW1026	RES 1	R	Y	Y	
43	GW1028	RES 1	R	Y	Y	
43	GW1030	RES 1	R			
43	GW1032	RES 1	R			
43	GW1034	RES 1	R	N	N	
43	GW1036	RES 1	R	N	N	
43	GW1038	RES 1	R			
43	RE1001	RES 1	Y			
43	RE1005	RES 1	B			
43	RE1009	RES 1	B			
43	RE1013	RES 1	G			
43	RE1017	RES 1	BK	Y	Y	
43	RE1021	RES 1	BK			
43	RE1031	RES 1	BK			
43	RE1033	RES 1	BK			
44	RE1000	RES 1	G	N	N	
44	RE1004	RES 1	G			
44	RE1008	RES 1	G			
44	RE1010	RES 1	G			
44	RE1016	RES 1	BK	N	N	
44	RE1026	RES 1	G	N	N	
44	RE1030	RES 1	R	Y	Y	
44	RE1032	RES 1	Y	N	N	
44	TL1908	RES 1	Y			
44	MC1001/03	RES 2	Y			
44	MC1005	VAC	Y	N	N	
44	MC1011	RES 1	G			
44	MC1015	RES 1	G			
44	MC1019	RES 1	B	N	N	
44	MC1023	RES 1	B	N	N	
44	MC1025	RES 1	B			
44	MC1029	RES 1	B			
44	MC1033	RES 1	B	N	N	
44	TL1914	RES 1	B			
44	TL1920	RES 1	B	N	N	
45	GW0900	RES 1	B			
45	GW0904	RES 1	B			
45	GW0906	RES 1	G			
45	GW0910	RES 1	G			
45	GW0916	RES 1	BK	N	N	
45	GW0928/30	RES 2	BK			
45	GW0938	RES 1	BK			

45	GW0940	RES 1	BK	N	N	
45	RE0901	RES 1	BK			
45	RE0909	RES 1	BK			
45	RE0915	RES 1	G			
45	RE0925	RES 1	G			
45	RE0927	RES 1	G	N	N	
45	RE0933	RES 1	BK			
45	RE0935	RES 1	G	N	N	
45	RE0908	RES 1	G			
45	RE0918	RES 1	BK			
45	RE0922	RES 1	G			
45	RE0926	RES 1	G			
45	RE0928	PUBLIC	BK	N	N	
45	RE0930	PUBLIC	G	N	N	
45	ER1849	RES 1	BK	N	N	
45	ER1853	RES 1	B	N	N	
45	ER1855	RES 1	BK			
45	ER1863	RES 1	G	N	N	
45	ER1865	VAC	R			
45	ER1871	RES 1	R			
45	MC0903	RES 1	R			
45	MC0905	RES 1	G			
45	MC0909	RES 1	BK	Y	N	
45	MC0911	PUBLIC	Y	N	N	
45	MC0913	PUBLIC	BK	N	N	
46	ME0800	RES 1	Y			
46	ME0806	RES 1	R	N	N	
46	ME0810	RES 1	R			
46	ME0816	RES 1	G	Y	N	
46	ME0818	RES 1	Y	Y	N	
46	ME0820	VAC	R	N	N	
46	ME0824	RES 1	Y			
46	ME0826	VAC	Y	Y	N	
46	ME0828	RES 1	Y	N	N	
46	ME0836	RES 1	G	N	N	
46	ME0840	VAC	BK			
46	SA0801	RES 1	BK			
46	SA0809	RES 1	G	N	N	
46	SA0815	RES 1	Y	Y	Y	
46	SA0819	RES 1	B			
46	SA0821	VAC	B			
46	SA0823A-D	RES 4	Y			
46	SA0825	VAC	Y			
46	SA0831	VAC	R			
46	SA0833	RES 1	Y	Y	N	
46	SA0841	RES 1	Y	N	N	
46	SA0845	RES 1	Y			

APPENDIX 3

STATISTICAL EVALUATION OF PROPERTIES AFFECTED BY 1,000 PPM ACTION LEVEL

The determination of affected properties at a 1,000 ppm action level was completed using the same analysis method as initially used by Woodward-Clyde for the 500 ppm criteria. This methodology was reported in their September 1993 PDFI (See Table 1 of the report). Calculations for the 500 ppm level were also made and checked against those made by Woodward-Clyde.

The binomial statistical test was used in both instances to test the hypothesis that a property is contaminated unless proven "clean." If the probability of being contaminated (as calculated from the statistical test) is greater than or equal to the probability of declaring the property "clean" when, in fact it is contaminated, then the decision is to remediate. If the converse is true, then the decision is not to remediate.

The following decision criteria were used by REACT:

$P_o = 25\%$	Percent of the decision unit contaminated
$\text{Alpha} = 5\%$	Probability of declaring a property "clean" when, in fact, it is contaminated (Type I error)
$P_i = 2\%$	Percent of a "clean" unit being unnecessarily remediated
$\text{Beta} < 25\%$	Probability of a "clean" unit being remediated (Type II error)

These criteria were also used by Woodward-Clyde and approved by USEPA Region V and USACE prior to that use.

APPENDIX 4
FIELD WORKSHEETS

KEY

PROPERTY CLASSIFICATION CODES

Usage Categories

<u>Code</u>	<u>Description</u>
RES1	1 Residential Unit on Lot
RES2	2 Residential Units on Lot
RES3	3 Residential Units on Lot
RES4	4 Residential Units on Lot
RES5	5 or More Residential Units on Lot
VAC	Vacant Lot
COMM	Commercial Property
PUBLIC	Public Property (Park, City-owned, Hospital-owned, Church, Non-profit Organization, etc.)

Street Codes

Residential

AD	Adams	NI	Niedringhaus
AL	Alton	OH	Ohio
BE	Benton	OL	Olive
BR	Bryan	RE	Reynolds
CH	Chestnut	RR	Rock Road
CL	Cleveland	SA	Salveter
DE	Delmar	SP	Spruce
DV	Denver	ST	State
ED	Edison	WA	Walnut
EL	Elizabeth	SW	Washington
ER	Edwardsville Road		
GR	Grand		
GW	Greenwood	ET	18th
IO	Iowa	FI	5th
KE	Kennedy	NT	19th
LE	Lee	TL	12th
MA	Madison	SN	2nd
MP	Maple	TW	20th
MC	McCambridge	TS	22nd
ME	Meredocia	WT	W. 20th

Street Codes (Cont.)

Industrial and Remote Fill Areas

VE	Venice Alleys
CA	Carver
CO	Colgate
HA	Harrison

HI	Hill
RS	Roosevelt
TE	Terry

Address Codes

Two-place street code and address

(Example: XX1234)

APPENDIX 1

PROPERTY CLASSIFICATION METHODOLOGY

1. **Identification of Properties.** In their Pre-Design Feasibility Investigation report of September, 1993, WCC divided the adjacent residential areas - those properties included in Areas 2 through 8 of the 1990 Addendum to the Draft Feasibility Report - into 46 smaller areas which they called Decision Units. The purpose of these Decision Units was to create smaller areas in which enough characterization data existed to provide a basis for statistically determining whether properties that were not sampled should be remediated.

In creating the property classification database, REACT maintained WCC's Decision Unit convention as well as their convention for coding the individual addresses into the database. Initially, 46 Decision Unit maps were constructed from Madison County Real Property Maps. These maps showed lot dimensions and locations. Appendix F ("Summary Listings of Residential Property Information with Access Notes") and Appendix K ("Residential 8-1/2 x 11 Inch Plats") of WCC's PDFI were used to determine the addresses and usage for each of the lots.

Property locations were identified primarily from the plat maps with aerial photography and field confirmation being used to verify building and lot locations as necessary.

2. **Categorization of Properties by Usage.** The property usage was determined by the Summary Listings (Appendix F of WCC's PDFI). Aerial photograph interpretation and field confirmation were used as a secondary method of usage determination.

The following property usage categories were selected:

<u>Database Code</u>	<u>Property Usage</u>
RES 1	1 residential unit on the lot
RES 2	2 residential units on the lot (duplex, etc.)
RES 3	3 residential units on the lot
RES 4	4 residential units on the lot
RES 5	5 or more residential units on the lot
VACANT	Vacant lot
COMM	Commercial property on WCC's Summary Listing
PUBLIC	Public property (park, City property, hospital property, Church property, non-profit organization property)

The commercial properties included on the database appear to be those that have a dual usage - residential and well as commercial.

When more than one building was located within a single lot, the following classification rules were used:

1. When two (or more) residential units were located on a single lot, the property was classified as RES 2 (or RES 3, RES 4, etc., as appropriate).
2. When a combination of commercial and residential units were located on a single lot, the property was identified as RES 1 (or RES 2, RES 3, etc., as appropriate).
3. If multiple adjacent lots were owned by the same entity (e.g., a residence and a "side yard"), the lots were considered to be a single property.
4. If vacant lot were identified in WCC's Summary Listing, they were included in the database. Otherwise, they were assumed to be commercial properties.
5. If commercial properties were identified in WCC's Summary Listing, they were included in the database. Otherwise, they were excluded.

3. Categorization of Properties by Lot Size

Properties were classified as falling in one of the following size ranges:

<u>Size Code</u>	<u>Lot Size (Square Feet)</u>
R	Less than 5,000
B	5,000 - 6,249
Y	6,250 - 7,749
G	7,500 - 10,749
BK	Greater than 10,749

4. Categorization of Properties by Total Lead Sample Results

The characterization data included in WCC's PDFI was also used to determine which of the properties had been sampled and which properties had reported total lead sample results above the ROD's 500 ppm versus those with reported values above 1,000 ppm. The following codes were used in the database to reflect this information:

<u>Result Code</u>	<u>Explanation</u>
Y	At least one sample result reported at or above this value
N	Lot sampled but all results below value
Blank	Lot not sampled

APPENDIX 2
PROPERTY CLASSIFICATION DATABASE

KEY

PROPERTY CLASSIFICATION CODES

Usage Categories

<u>Code</u>	<u>Description</u>
RES1	1 Residential Unit on Lot
RES2	2 Residential Units on Lot
RES3	3 Residential Units on Lot
RES4	4 Residential Units on Lot
RES5	5 or More Residential Units on Lot
VAC	Vacant Lot
COMM	Commercial Property
PUBLIC	Public Property (Park, City-owned, Hospital-owned, Church, Non-profit Organization, etc.)

Lot Size Category Codes

<u>Code</u>	<u>Size Range (square feet)</u>
R	Less than 5,000
B	5,000 - 6,249
Y	6,250 - 7,499
G	7,500 - 10,749
BK	Greater than 10,749

Address Codes

Two-place street code and address

(Example: XX1234)

Street Codes

Residential

AD	Adams	NI	Niedringhaus
AL	Alton	OH	Ohio
BE	Benton	OL	Olive
BR	Bryan	RE	Reynolds
CH	Chestnut	RR	Rock Road
CL	Cleveland	SA	Salveter
DE	Delmar	SP	Spruce
DV	Denver	ST	State
ED	Edison	WA	Walnut
EL	Elizabeth	SW	Washington
ER	Edwardsville Road		
GR	Grand		
GW	Greenwood	ET	18th
IO	Iowa	FI	5th
KE	Kennedy	NT	19th
LE	Lee	TL	12th
MA	Madison	SN	2nd
MP	Maple	TW	20th
MC	McCambridge	TS	22nd
ME	Meredocia	WT	W. 20th

Industrial and Remote Fill Areas

VE	Venice Alleys	HI	Hill
CA	Carver	RS	Roosevelt
CO	Colgate	TE	Terry
HA	Harrison		

Total Lead Sample Results

Result > 500	Y = At least one result reported above 500 ppm N = All results reported at < 500 ppm Blank = No sampling results reported
Result > 1,000	Y = At least one result reported above 1,000 ppm N = All results reported at < 1,000 ppm Blank = No sampling results reported

Decision Unit	Address	Usage	Size Code	Result > 500	Result > 1000	
1	BE2200/02	RES 2	Y			
1	BE2204/06	RES 2	Y			
1	BE2208	RES 1	Y	Y	Y	
1	BE2212/14	VAC	B			
1	BE2218	VAC	B	N	N	
1	BE2222/24	RES 2	B	Y	N	
1	BE2226	RES 1	R			
1	BE2228	RES 1	R	Y	N	
1	BE2230	RES 1	B	Y	Y	
1	BE2232	RES 1	B	Y	N	
1	BE2240	RES 1	Y			
1	BE2244	RES 2	Y	N	N	
1	BE2246	RES 1	R	N	N	
1	BE2248	RES 1	B	Y	N	
1	BE2250	RES 1	B	Y	N	
1	BE2252	RES 1	R	Y	N	
1	BE2254	RES 1	R	N	N	
1	BE2256	RES 1	R	N	N	
1	BE2258	RES 1	R	N	N	
1	BE2264	RES 1	B	N	N	
1	CL2201/TS	RES 2	Y	Y	Y	
1	CL2205/07	RES 2	B			
1	CL2209/11	RES 2	Y			
1	CL2215	RES 1	Y	N	N	
1	CL2217	RES 1	Y	N	N	
1	CL2221	RES 1	Y	Y	Y	
1	CL2225	RES 1	Y	Y	N	
1	CL2229	RES 1	G	Y	N	
1	CL2237	RES 1	BK			
1	CL2243	RES 1	G	N	N	
1	CL2251	RES 1	G			
1	CL2257	RES 1	BK	Y	N	
1	CL2265	RES 1	G			
2	CL2208	RES 1	G	N	N	
2	CL2214	RES 1	Y	Y	N	
2	CL2218	RES 1	Y			
2	CL2222	RES 1	Y	Y	N	
2	CL2226	RES 1	Y			
2	CL2230	RES 1	B	Y	Y	
2	CL2234	RES 1	B			
2	CL2238	RES 1	Y			
2	CL2242	RES 1	Y	N	N	

2	CL2246	RES 1	Y	Y	Y	
2	CL2250	RES 1	Y	Y	N	
2	CL2254	RES 1	Y	N	N	
2	CL2258	RES 1	Y	Y	N	
2	CL2260/62	RES 2	Y	N	N	
2	CL2264	RES 1	B	N	N	
2	DE2201	RES 1	Y			
2	DE2205	RES 1	Y	Y	N	
2	DE2209	RES 1	Y	Y	Y	
2	DE2215	RES 1	Y			
2	DE2219	RES 1	Y	N	N	
2	DE2223	RES 1	Y			
2	DE2225	RES 1	Y			
2	DE2227	RES 1	B	N	N	
2	DE2233/35	RES 2	B	Y	N	
2	DE2237/39	RES 2	B			
2	DE2243	RES 1	Y			
2	DE2245	RES 1	R	N	N	
2	DE2247	RES 1	R	Y	Y	
2	DE2251	RES 1	R			
2	DE2253	RES 1	R	Y	Y	
2	DE2257	RES 1	R			
2	DE2259	RES 1	R	Y	N	
2	DE2261	RES 1	R	N	N	
2	DE2263	RES 1	R	Y	Y	
2	DE2265	VAC	R	Y	Y	
2	DE2200	RES 1	Y	N	N	
2	DE2206	RES 1	Y	Y	N	
2	DE2210	RES 1	Y			
2	DE2214	RES 1	Y			
2	DE2218	RES 1	Y	N	N	
2	DE2222	RES 1	Y	N	N	
2	DE2224	RES 1	Y			
2	DE2228	RES 1	B			
2	DE2234	RES 1	B	Y	Y	
2	DE2238	RES 1	Y			
2	DE2242	RES 1	Y			
2	DE2246	RES 1	Y			
2	DE2252	RES 1	B			
2	DE2254	RES 1	B	Y	N	
2	DE2256	RES 1	B	Y	N	
2	DE2258	RES 1	B	Y	N	
2	DE2260	RES 1	B	Y	N	
2	DE2262	RES 1	Y	Y	N	
2	TS1215/27	RES 7	Y	N	N	
2	ED2207	RES 2	Y	Y	N	
2	ED2211	RES 1	Y	Y	Y	
2	ED2215	RES 1	Y	Y	N	
2	ED2219	RES 1	Y	Y	N	

2	ED2223	RES 1	Y	Y	N	
2	ED2225/27	RES 2	Y	N	N	
2	ED2229	RES 1	B	Y	N	
2	ED2235	RES 1	B	Y	N	
2	ED2237	RES 1	Y	Y	N	
2	ED2241/43	RES 2	Y	N	N	
2	ED2245	RES 1	Y	N	N	
2	ED2251	RES 2	Y			
2	ED2255	RES 1	Y	N	N	
2	ED2259	RES 1	Y	Y	N	
2	ED2261/63	RES 2	B	N	N	
2	ED2265	RES 1	Y			
3	ED2204	RES 1	B	Y	N	
3	ED2208	RES 1	B	Y	N	
3	ED2212/14	RES 4	Y	Y	N	
3	ED2218	RES 1	Y	N	N	
3	ED2222	RES 1	Y	Y	N	
3	ED2224	RES 1	B	Y	N	
3	ED2230	RES 1	B	Y	N	
3	ED2232	RES 1	B	N	N	
3	ED2236	RES 1	Y	Y	N	
3	ED2240	RES 1	Y			
3	ED2246	RES 1	Y	Y	N	
3	ED2250	RES 1	Y			
3	ED2254	RES 1	Y	N	N	
3	ED2258	RES 1	Y			
3	ED2262	RES 1	Y	Y	N	
3	ED2266	RES 1	Y			
3	ST2201	RES 8	Y			
3	ST2205	RES 1	Y			
3	ST2211	RES 1	Y			
3	ST2215	RES 1	Y			
3	ST2219	RES 1	Y			
3	ST2223	RES 1	Y	Y	N	
3	ST2227	RES 1	Y			
3	ST2231	RES 1	B	Y	Y	
3	ST2235	RES 1	B	Y	N	
3	ST2239	RES 1	Y	Y	N	
3	ST2241	RES 1	B			
3	ST2247	RES 1	Y	Y	N	
3	ST2251	RES 1	B	Y	N	
3	ST2255	RES 1	B			
3	ST2259	RES 1	B			
3	ST2263	RES 1	B			
3	TS1423	RES 1	R			
3	ST2204/06	RES 2	Y			
3	ST2200	RES 1	R			
3	ST2210	RES 1	Y	Y	N	
3	ST2212	RES 1	R	Y	N	

3	ST2214	RES 1	R	Y	N	
3	ST2216	RES 1	R	Y	N	
3	ST2222	RES 1	Y	N	N	
3	ST2226	RES 1	Y	N	N	
3	ST2228	RES 1	B	Y	Y	
3	ST2230	RES 1	R	Y	N	
3	ST2232	RES 1	R	N	N	
3	ST2234	RES 1	B			
3	ST2238	RES 1	R	Y	Y	
3	ST2240	RES 1	R	Y	N	
3	ST2242	RES 1	R	N	N	
3	ST2244	RES 1	B	Y	N	
3	ST2248	RES 1	R	Y	Y	
3	ST2250	RES 1	R	Y	N	
3	ST2254	RES 1	R	N	N	
3	ST2256	RES 1	R	Y	N	
3	GR2201/03	RES 2	Y			
3	GR2205/07	RES 2	Y			
3	GR2209	RES 1	Y	N	N	
3	GR2213/15	RES 2	Y	Y	Y	
3	GR2217	RES 1	Y	Y	N	
3	GR2221/23	RES 2	Y	Y	N	
3	GR2225	RES 1	Y			
3	GR2229/31	RES 2	B			
3	GR2233	RES 1	BK	N	N	
3	GR2241	RES 1	Y	Y	N	
3	GR2247/47R	RES 2	Y	N	N	
3	GR2249	RES 1	Y	N	N	
3	GR2251	RES 1	R	Y	Y	
3	GR2253	RES 1	B	N	N	
3	GR2259/61	RES 2	B			
3	GR2263	RES 1	R	N	N	
4	IO2201	RES 1	B			
4	IO2207	RES 1	B	Y	N	
4	IO2209	RES 1	B	Y	N	
4	IO2215	RES 1	B			
4	IO2219	RES 1	B			
4	IO2221	RES 1	B	Y	N	
4	IO2225	RES 1	B			
4	IO2229	RES 1	B			
4	IO2231	RES 1	R			
4	IO2233	RES 1	Y			
4	IO2241	VAC	B			
4	IO2247	RES 1	B	Y	N	
4	IO2251	RES 1	B	Y	N	
4	IO2255	RES 1	R			
4	IO2257	RES 1	R			
4	IO2259	RES 1	R			
4	IO2261	RES 1	R			

4	IO2263	RES 1	B	N	N
4	MA2229	RES 1	R		
4	MA2231	RES 1	R		
4	MA2233/35	RES 2	B		
4	TT1510	RES 1	R	Y	N
4	TS1527	RES 1	R		
4	GR2202	RES 1	R		
4	GR2204	RES 1	R	Y	Y
4	GR2206	RES 1	R	Y	Y
4	GR2208/10	RES 2	B		
4	GR2212	RES 1	B		
4	GR2216/18	RES 2	B	Y	N
4	GR2220	RES 1	B	Y	Y
4	GR2224/26	RES 2	B	Y	N
4	GR2228	RES 1	B	Y	N
4	GR2232/34	RES 2	B		
4	GR2236/38	RES 2	B		
4	GR2240/42	RES 2	B		
4	GR2246	RES 1	B	Y	Y
4	GR2248	RES 1	B	N	N
4	GR2252	RES 1	R		
4	GR2254	RES 1	R	N	N
4	GR2256/58	RES 2	R	N	N
5	AD2100	COM	BK	Y	N
5	AD2108/10	RES 2	Y	N	N
5	AD2114	RES 1	Y		
5	AD2116	RES 1	Y		
5	AD2120-22	RES 4	Y	Y	Y
5	AD2124	RES 1	B	N	N
5	AD2128	RES 1	Y	N	N
5	AD2134	RES 1	B	Y	Y
5	AD2138	RES 1	Y	N	N
5	AD2140	RES 1	B	N	N
5	AD2144/46	RES 2	G	Y	N
5	AD2148/50	RES 2	Y	Y	Y
5	AD2152	RES 1	R	N	N
5	AD2156	RES 1	R	Y	N
5	AD2158	RES 1	R		
5	AD2160/62	RES 2	B	N	N
5	TS1224-28	RES 3	Y		
5	BE2101	RES 1	Y	Y	N
5	BE2103	RES 1	Y	N	N
5	BE2109/11	RES 2	Y	Y	N
5	BE2113/15	RES 2	Y	Y	Y
5	BE2117	RES 1	R		
5	BE2119	RES 1	R	Y	N
5	BE2121	RES 1	R	Y	N
5	BE2123	RES 1	R	Y	N
5	BE2125	RES 1	Y	N	N

5	BE2129/31	RES 2	B	Y	N	
5	BE2133/35	RES 2	B	Y	N	
5	BE2137/39	RES 2	Y	Y	N	
5	BE2141/43B	RES 2	Y			
5	BE2145/47	RES 2	Y			
5	BE2149-51	RES 4	Y	N	N	
5	BE2153/55	RES 2	Y	Y	N	
5	BE2157-59	RES 3	Y	N	N	
5	BE2161/63	RES 2	Y	N	N	
5	BE2120-22	RES 4	Y			
5	BE2124/26	RES 1	Y	N	N	
5	BE2138R	RES 1	B			
5	BE2138	RES 1	BK			
5	BE2140/42	RES 2	Y	Y	N	
5	BE2144	RES 1	Y			
5	BE2148	RES 1	Y	N	N	
5	BE2152/54	RES 2	Y			
5	BE2158	RES 1	Y	Y	N	
5	BE2164	VAC	Y	N	N	
5	BE2166	VAC	Y			
5	CL2101	PUBLIC	BK	N	N	
5	CL2103	PUBLIC	Y			
5	CL2117	RES 1	B			
5	CL2119	RES 1	Y			
5	CL2121	RES 1	Y	Y	N	
5	CL2127	RES 1	Y	Y	Y	
5	CL2131	RES 1	B	N	N	
5	CL2133	RES 1	B	N	N	
5	CL2137/39	RES 2	Y			
5	CL2141	RES 1	Y	N	N	
5	CL2145	RES 1	Y	N	N	
5	CL2149	RES 1	Y	N	N	
5	CL2153	RES 1	Y	Y	N	
5	CL2157	RES 1	Y	N	N	
5	CL2161/63	RES 2	Y	Y	N	
5	CL2167	RES 1	Y			
6	CL2108	RES 1	Y			
6	CL2104	RES 1	Y			
6	CL2110	RES 1	Y	Y	N	
6	CL2114	RES 1	Y	N	N	
6	CL2116/18	RES 2	BK	Y	N	
6	CL2126	RES 1	R	Y	N	
6	CL2128	RES 1	R	N	N	
6	CL2130	RES 1	R			
6	CL2134	RES 1	B	N	N	
6	CL2138	RES 1	Y	Y	N	
6	CL2140	RES 1	Y	Y	Y	
6	CL2142	RES 1	Y			
6	CL2144/46	RES 2	Y			

6	CL2156	RES 1	Y	Y	N
6	CL2158	RES 1	Y	Y	N
6	CL2160	RES 1	B	Y	N
6	CL2164	RES 1	Y	Y	N
6	DE2101	PUBLIC	BK		
6	DE2121	RES 1	Y		
6	DE2125/27	RES 2	Y		
6	DE2129	RES 1	B		
6	DE2133/35	RES 2	B	Y	N
6	DE2137/39	RES 2	Y	Y	Y
6	DE2141/43	RES 2	Y	N	N
6	DE2147A/B	RES 2	Y	Y	Y
6	DE2149	RES 1	Y		
6	DE2153	RES 1	Y	N	N
6	DE2157	RES 1	Y	N	N
6	DE2163	RES 1	Y	Y	Y
6	TS1240A-D	RES 4	Y	N	N
6	DE2100A	RES 2	B		
6	DE2110	RES 1	R	N	N
6	DE2112/14	RES 2	Y	Y	Y
6	DE2116/18	RES 2	Y		
6	DE2120	RES 1	Y		
6	DE2124	RES 1	Y	N	N
6	DE2130	RES 1	Y	Y	Y
6	DE2134	RES 1	G	N	N
6	DE2138/40	RES 2	G		
6	DE2146	RES 1	Y		
6	DE2150	RES 1	Y		
6	DE2154/56	RES 2	Y	Y	N
6	DE2160	PUBLIC	BK	N	N
6	ED2117	RES 1	Y	N	N
6	ED2121	RES 1	Y	Y	N
6	ED2123/A-C	RES 4	Y	Y	N
6	ED2125HF	RES 1	R	Y	N
6	ED2127	RES 1	R		
6	ED2135	RES 1	B		
6	ED2137/39	RES 2	Y	Y	N
6	ED2141/43	RES 2	Y	N	N
6	ED2145/47	RES 2	Y		
6	ED2149/51	RES 2	Y	Y	Y
6	ED2153	RES 1	Y	Y	N
6	ED2165	PUBLIC	BK		
7	ED2100	PUBLIC	BK		
7	ED2116	PUBLIC	B		
7	ED2118	COMM	Y	Y	N
7	ED2122/A	RES 2	Y	Y	Y
7	ED2124	RES 1	Y	Y	N
7	ED2128/30	RES 2	B	Y	N
7	ED2132/34	RES 2	B		

7	ED2138	RES 1	Y	Y	Y	
7	ED2142	RES 1	B	Y	Y	
7	ED2144	RES 1	B	Y	N	
7	ED2148	RES 1	B			
7	ED2150	RES 1	B			
7	ED2154	RES 1	B	Y	Y	
7	ED2156	RES 1	Y			
7	ED21587	RES 1	Y			
7	ED21627	RES1	Y			
7	ST2101	PUBLIC	G	N	N	
7	ST2117	RES 1	R			
7	ST2119	RES 1	R	Y	N	
7	ST2121	RES 1	R			
7	ST2123	RES 1	R			
7	ST2135	RES 1	R	Y	N	
7	ST2137	RES 1	Y	Y	N	
7	ST2141	RES 1	Y			
7	ST2145	RES 1	Y			
7	ST2147/49	RES 2	Y	Y	Y	
7	ST2153	RES 1	R			
7	ST2155	RES 1	R			
7	ST2157	RES 1	R	N	N	
7	ST2159	RES 1	B	N	N	
7	ST2161	PUBLIC	Y			
7	ST2110	RES 1	Y			
7	ST2114	VAC	G			
7	ST2118	RES 1	BK	Y	N	
7	ST2132	RES 1	B	N	N	
7	ST2134	RES 1	B			
7	ST2138	RES 1	B			
7	ST2140	RES 1	R			
7	ST2142	RES 1	R			
7	ST2146	RES 1	R			
7	ST2148	RES 1	R	Y	N	
7	ST2150	RES 1	R	Y	N	
7	ST2152	RES 1	R	Y	N	
7	ST2154	RES 1	R			
7	ST2158	RES 1	R	Y	N	
7	ST2160	RES 1	R			
7	ST2162	RES 1	B	Y	Y	
7	GR2113	RES 1	Y	N	N	
7	GR2117	RES 1	Y			
7	GR2121	RES 1	Y			
7	GR2127	RES 1	Y	Y	N	
7	GR2129	RES 1	B			
7	GR2131	RES 1	B			
7	GR2137	RES 1	Y			
7	GR2139	RES 1	B	Y	Y	
7	GR2141	RES 1	B			

7	GR2143	RES 1	B			
7	GR2145	RES 1	B			
7	GR2149	RES 1	B	Y	Y	
7	GR2151	RES 1	Y	Y	Y	
7	GR2167	PUBLIC	BK	N	N	
8	NI15007	PUBLIC	BK	Y	Y	
8	MA2100	PUBLIC	BK	N	N	
8	7	PUBLIC	B			
9	WS21027	PUBLIC	Y			
9	WS2104	RES 1	Y	Y	N	
9	WS2114	RES 1	Y			
9	WS2108	RES 1	Y	Y	Y	
9	WS2140	COMM	R	N	N	
9	WS2166	PUBLIC	Y			
9	7	PUBLIC	BK			
9	LE2105	RES 1	Y			
9	LE2109	RES 1	Y			
9	LE2115A/B	RES 2	Y			
9	LE2119	RES 1	Y	Y	N	
9	LE2123	RES 1	Y	Y	N	
9	LE2127	RES 1	Y	Y	N	
9	LE2131	RES 1	B			
9	LE2135	RES 1	Y	Y	N	
9	LE2139	RES 1	R			
9	LE2143	RES 1	R	Y	N	
9	LE2145A/B	RES 2	R	N	N	
9	LE2147	RES 1	R	Y	N	
9	LE2149	RES 1	B	Y	N	
9	LE2151	RES 1	R	N	N	
9	LE2153	RES 1	R			
9	LE2161	RES 1	Y	Y	N	
10	AD2034	RES 1	BK	N	N	
10	BE2067	PUBLIC	BK			
10	BE2020	RES 1	B	Y	N	
10	BE2024	RES 1	Y	Y	N	
10	BE2028	RES 1	B	Y	N	
10	BE2030/32	RES 2	G	N	N	
10	BE2034	RES 1	Y	N	N	
10	BE2038	RES 1	Y	N	N	
10	BE2039	PUBLIC	BK			
10	BE2040	RES 1	R	Y	N	
10	CL2021	RES 1	Y			
10	CL2025	RES 1	B			
10	CL2027	RES 1	B	N	N	
10	CL2029	RES 1	Y	Y	N	
10	CL2051/53	RES 2	B	N	N	
10	CL2055	RES 1	Y	Y	N	
10	CL2057	RES 1	Y	Y	N	
10	CL2059	RES 1	Y			

11	CL2008	RES 1	B	N	N	
11	CL2012	RES 1	Y			
11	CL2020	RES 1	B	Y	N	
11	CL2022	RES 1	B			
11	CL2026	RES 1	B	Y	Y	
11	CL2028	RES 1	B			
11	CL2030	RES 1	B	Y	Y	
11	CL2032/A	RES 2	R	Y	N	
11	CL2036	RES 1	R	Y	N	
11	CL2056	RES 1	B			
11	CL2058	RES 1	Y			
11	DE2001	PUBLIC	BK	Y	Y	
11	DE2011	RES 1	Y			
11	DE2013	RES 1	Y			
11	DE2015/17	RES 2	Y			
11	DE2019	RES 1	B	Y	N	
11	DE2025	RES 1	B			
11	DE2029/31	RES 2?	Y			
11	DE2033	RES 1	Y	Y	N	
11	DE2035	PUBLIC	BK			
11	DE2012	PUBLIC	B			
11	DE2016/18	RES 2	G	Y	N	
11	DE2060	PUBLIC	BK			
11	ED2001	PUBLIC	BK			
11	ED2037	RES 2	Y	Y	N	
11	ED2041/43	RES 2	Y			
12	ED2000	PUBLIC	BK	Y	N	
12	ED2030	PUBLIC	R			
12	ED2032	RES 1	R			
12	ED2036	RES 1	R			
12	ED2052/A	PUBLIC	R	Y	Y	
12	?	PUBLIC	BK			
12	ST2039	RES 2	G	Y	Y	
12	ST2041	RES 2	Y	Y	Y	
12	ST2049	RES 1	BK	N	N	
12	ST2046	RES 1	Y			
12	GR2009/A	RES 4	Y			
12	GR2013/15	RES 2	Y			
12	GR2004	VAC	B			
12	GR2009/10	RES 2	B			
12	GR2012	RES 1	R	Y	N	
12	GR2014	RES 1	R			
12	GR2016/18	RES 2	R	Y	N	
12	GR2020/22	RES 2	B			
12	GR2024/26	RES 2	B			
12	GR2028/30	RES 2	B			
12	?	PUBLIC	B			
12	?	PUBLIC	BK			
12	MA2017	RES 1	R	Y	Y	

12	MA2019	VAC	R			
12	MA2021	RES 1	R	Y	Y	
12	MA2023	RES 1	R	Y	Y	
12	MA2025	RES 1	R	Y	Y	
12	MA2031	RES 1	Y			
12	?	PUBLIC	BK			
13	MA2028	PUBLIC	BK			
13	WS2015	VAC	Y	Y	N	
13	WS2017/19	RES 2	Y			
13	WS2021	PUBLIC	B			
13	WS2027	RES 1	Y	Y	N	
13	WS2031	PUBLIC	B			
13	WS2033	PUBLIC	B	Y	N	
13	WS2035	PUBLIC	B	Y	N	
13	WS2043	PUBLIC	B			
13	WS2045	PUBLIC	B			
13	WS2047	PUBLIC	B			
13	WS2004	VAC	Y			
13	WS2008A-E	RES 5	Y	Y	Y	
13	WS2020	RES 1	B	Y	Y	
13	WS2022	RES 1	R	Y	N	
13	WS2024	RES 1	R	Y	Y	
13	WS2026	RES 1	R	Y	Y	
13	WS2028	VAC	R			
13	WS2030	RES 1	R			
13	WS2032	RES 1	R			
13	WS2034	RES 1	R	Y	Y	
13	WS2036-C	RES 4	R	N	N	
13	WS2038	RES 1	R	N	N	
13	WS2040	RES 1	B	Y	N	
13	?	PUBLIC	G			
13	LE2019	RES 1	B	Y	N	
13	LE2021	RES 1	B	Y	N	
13	LE2025	RES 1	B			
13	LE2027	RES 1	R	Y	Y	
13	LE2029	RES 1	R	Y	N	
13	LE2031	RES 1	R			
13	LE2037	RES 1	R	Y	Y	
13	LE2041	RES 1	R			
13	LE2045	RES 1	R	Y	N	
13	LE2047	RES 1	R	Y	N	
14	AD19207	RES 1	BK			
14	AD1924	RES 1	Y			
14	AD1928	RES 1	Y			
14	AD1930	RES 1	R	N	N	
14	AD1938	RES 1	R	N	N	
14	AD1940	RES 1	R	N	N	
14	AD1942	RES 1	R	N	N	
14	BE1911	RES 1	Y	Y	N	

14	BE1915-17	RES 3	Y			
14	BE1919/21	RES 2	Y			
14	BE1923	RES 1	B			
14	BE1925/27	RES 2	Y	Y	N	
14	BE1931	VAC	Y	Y	N	
14	BE1935	RES 1	Y			
14	BE1937	RES 1	Y	Y	N	
14	BE1939	RES 1	R	N	N	
14	BE1941	RES 1	R	Y	Y	
14	BE1943	RES 1	R	Y	N	
14	BE1914	RES 1	R			
14	BE1916	RES 1	R	Y	N	
14	BE1918	RES 1	R	Y	Y	
14	BE1920	RES 1	R	Y	N	
14	BE1922	RES 1	R	Y	N	
14	BE1924	RES 1	R			
14	BE1926	RES 1	R	Y	N	
14	BE1928	RES 1	R	Y	N	
14	BE1930	RES 1	R	Y	N	
14	BE1932	RES 1	R	N	N	
14	BE1934	RES 1	R	Y	N	
14	BE1936	RES 1	R			
14	BE1938	RES 1	R			
14	BE1940	RES 1	B	Y	N	
14	CL1919	RES 1	BK	Y	Y	
14	CL1929	RES1	BK	Y	N	
14	CL1935	RES 1	B			
14	CL1939	RES 1	G	Y	Y	
15	NI1241	PUBLIC	B	N	N	
15	NI12245-55	RES 3	BK	Y	N	
15	CL1930	RES 1	G	Y	N	
15	CL1934	VAC	G	N	N	
15	CL1938	VAC	Y	N	N	
15	CL1940	RES 1	BK	Y	N	
15	NT1315	PUBLIC	R			
15	?	PUBLIC	BK			
16	NT7	PUBLIC	R			
16	ST1928	VAC	R			
16	GR1919/21	RES 2	B	Y	Y	
16	GR1923/25	RES 2	B	Y	Y	
16	GR1929/31	RES 4	Y	Y	N	
16	GR1933/35	RES 2	Y			
16	GR1937/37A	RES 2	Y	Y	N	
16	GR1914/16	RES 2	Y			
16	GR1918	RES 1	B	Y	N	
16	GR1924	RES 1	B	Y	N	
16	GR1928	RES 1	Y			
16	GR1932	RES 2	Y			
16.5	ED1837	PUBLIC	BK			

17	NT1300	PUBLIC	R	N	N
17	NT1302	PUBLIC	R		
17	NT1308	RES 4	R		
17	ED1807	RES 1	Y		
17	ST1814	VAC	R		
17	ST1826	VAC	R		
17	ST1836	VAC	Y		
17	ST1840	RES 1	Y		
18	CL1700/02	RES 2	R		
18	CL1704	VAC	R	Y	N
18	CL1708/R	RES 2	R	Y	Y
18	CL1710	RES 1	Y	Y	Y
18	CL1712?	COMM	Y		
18	CL1716	RES 1	Y		
18	CL1720	RES 1	B	Y	Y
18	CL1726	RES 1	B	Y	Y
18	CL1728	RES 1	Y	Y	Y
18	CL1734	RES 1	Y		
18	CL1736/38	RES 3	Y	Y	Y
18	DE1703	RES 1	Y	Y	Y
18	DE1705/07	RES 2	Y	Y	Y
18	DE1709/11	RES 2	Y		
18	DE1715	RES 1	Y	Y	Y
18	DE1717/19	RES 2	Y	Y	Y
18	DE1723	RES 1	B	Y	Y
18	DE1725/27	RES 2	B	Y	Y
18	DE1729/31	RES 2	Y	Y	N
18	DE1733/35	RES 2	Y		
18	DE1737/39	RES 2	Y	Y	Y
18	DE1741/43	RES 2	Y		
18	DE1745/47	RES 2	Y	Y	Y
18	DE1700	RES 1	Y	Y	Y
18	DE1704	RES 1	Y	Y	Y
18	DE1708/10	RES 2	Y		
18	DE1712/14	RES 2	Y	Y	N
18	DE1718	RES 1	Y	Y	Y
18	DE1720/22	RES 2	B		
18	DE1726	RES 1	B	Y	Y
18	DE1728/30	RES 2	Y	Y	Y
18	DE1732	RES 1	Y	Y	N
18	DE1734	VAC	Y		
18	DE1736/38	RES 1	Y		
18	ET1303	RES 1	R		
18	ET1308	RES 1	R		
18	ET1310	RES 1	R	Y	Y
18	ET1312	VAC	R	Y	Y
18	ED1701	RES 1	Y	Y	Y
18	ED1707	RES 1	Y	Y	Y
18	ED1709/11	RES 2	Y	Y	Y

18	ED1715	RES 1	Y	Y	Y	
18	ED1717/19	RES 2	Y	Y	Y	
18	ED1723	RES 1	B	Y	N	
18	ED1725/27	RES 2	B			
18	ED1729/31	RES 2	Y	Y	Y	
18	ED1733/35	RES 2	Y	Y	Y	
18	ED1737/39	RES 2	Y			
18	ED17417	RES 1	Y			
19	ED1700	RES 1	Y	Y	Y	
19	ED1704/06	RES 2	Y	Y	Y	
19	ED1708/10	RES 2	Y	Y	Y	
19	ED1712	RES 1	Y			
19	ED1718	RES 1	Y	Y	Y	
19	ED1720/22	RES 2	B	Y	Y	
19	ED1726	RES 1	B	Y	Y	
19	ED1728/30	RES 2	Y			
19	ED1734	RES 1	Y	Y	Y	
19	ST1705/07	RES 2	Y	Y	N	
19	ST1709/11	RES 2	Y			
19	ST1713/15	RES 2	Y			
19	ST1717	RES 1	Y			
19	ST1721	RES 1	B			
19	ST1725	RES 1	BK	Y	Y	
19	ST1704	VAC	BK			
19	ST1710	RES 1	Y	Y	Y	
19	ST1712	RES 1	Y			
19	ST1716	RES 1	Y	N	N	
19	ST1720	RES 1	B			
19	GR1712/14	RES 2	B	Y	N	
19	GR1718-22	RES 3	BK			
19	GR1728/30	RES 2	B			
19	GR1734	RES 1	B	Y	Y	
20	CL1624/26	RES 2	B	Y	Y	
20	CL1628	RES 1	B	Y	Y	
20	CL1630/32	RES 2	Y	Y	Y	
20	CL1634	RES 1	Y	Y	Y	
20	CL1640	RES 1	Y	Y	Y	
20	CL1642	RES 1	Y	Y	Y	
20	DE1619/21	COMM	B	Y	Y	
20	DE1625A/B	RES 2	B			
20	DE1627/29	RES 2	B	Y	Y	
20	DE1633	RES 1	Y	Y	Y	
20	DE1635/37	RES 2	Y	Y	Y	
20	DE1641	RES 1	Y	Y	Y	
20	DE1643	RES 1	Y	Y	Y	
21	DE1624/26	RES 2	B	Y	Y	
21	DE1628	RES 1	B	Y	Y	
21	DE1630	VAC	Y	Y	Y	
21	DE1636	RES 1	Y	Y	Y	

21	DE1638/40	RES 2	Y	Y	Y	
21	DE1644	RES 1	Y	Y	N	
21	ED1619/21	RES 2	BK	Y	Y	
21	ED1627/29	RES 2	BK	Y	Y	
21	ED1635/37	RES 2	Y	Y	Y	
21	ED1639/41	RES 2	Y	Y	Y	
21	ED1643	RES 1	Y	Y	Y	
21	ED1634	VAC	Y			
21	ED1638/40	RES 2	Y	Y	Y	
21	ED1642	RES 1	Y	Y	Y	
21	ST1630	RES 1	Y			
21	ST1632	RES 1	Y			
21	ST1638/40	RES 2	BK			
22	JF2002	RES 1	B	N	N	
22	WT2636	RES 1	G	N	N	
22	WT2614	RES 1	Y			
22	WT2612	RES 1	G	Y	N	
22	WT2610	RES 1	R	Y	N	
22	WT2606	RES 1	Y	N	N	
22	WT2604	RES 1	R			
22	DV2619	RES 2	BK	N	N	
22	DV2615	RES 1	Y			
22	DV2507	RES 1	Y	Y	N	
22	DV2505	RES 1	Y	Y	N	
22	DV2503	RES 1	Y	Y	N	
22	RR2009	RES 1	R	Y	N	
22	WT2510	RES 1	Y	Y	N	
22	WT2508	RES 1	Y	Y	N	
22	WT2506	RES 1	Y			
22	WT2504	RES 1	R	Y	Y	
22	WT2504HF	RES 1	R			
22	WT2502	RES 1	BK	Y	Y	
23	OH2025	PUBLIC	BK	N	N	
23	WT2410	RES 1	BK			
23	OH2014	RES 1	BK	Y	N	
23	OH2018	RES 1	Y	Y	Y	
23	OH2020	RES 1	Y			
23	OH2026	RES 1	Y	Y	Y	
23	OH2028	RES 1	G	N	N	
23	OH2036	VAC	G			
23	BR2009/11	RES 2	Y	Y	Y	
23	BR2013/15	RES 2	Y			
23	BR2017	RES 1	R			
23	BR2023	RES 1	R	Y	Y	
23	BR2025	RES 1	R	N	N	
23	BR2027	RES 1	Y	Y	Y	
23	BR2029/31	RES 2	Y	Y	Y	
23	BR2035	RES 1	Y	N	N	
23	BR2037	RES 1	Y	Y	N	

TABLE 9
NUMBER OF PROPERTIES TO BE REMEDIATED
ADJACENT RESIDENTIAL AREAS

	REMEDIAL ACTION LEVEL	
	Total Lead > 500 ppm	Total Lead > 1,000 ppm
<u>Stack Emission Properties</u> Properties with Sampling Result above Remedial Level	568	237
Properties not Sampled but Statistically Included	609	212
Subtotal	1,177	449
<u>Remote Fill Properties</u>	79	65
TOTAL	1,256	514

**TABLE 10
NUMBER OF PROPERTIES
SELECTED FOR
DETAILED COST ESTIMATION**

Adjacent Residential Properties	Lot Size					Total
	< 5,000 SF	5,000-6,249 SF	6,250-7,499 SF	7,500-10,749 SF	≥ 10,750	
Single Family Residence	8	7	8	5	4	32
Duplex	2	2	3	2	2	11
Multi-family Residence	1	1	2	1	1	6
Vacant Lots	1	1	1	1	2	6
"Public" Properties	2	2	2	2	3	11
	SUB-TOTAL					66
Remote Fill Areas - Residential Properties						11
Venice Alleys						5
	TOTAL					82

**TABLE 11
PROPERTIES TO BE COSTED
BY DECISION UNIT**

Decision Unit	Property	Classification
1	CL2209/11	RES 2
2	DE2260 DE2242 ED2235	RES 1 RES 1 RES 1
3	ED2224 ST2231 ST2223 ST2201 ED2212/14	RES 1 RES 1 RES 1 RES 8 RES 4
4	TT1510	RES 1
5	AD2116 BE2153/55	RES 1 RES 2
6	DE2125/27	RES 2
7	ST2121	RES 1
8	NI1500	PUBLIC
9	--	
10	--	
11	DE2001	PUBLIC
12	MA2031 ED2030 ED2052A GR2016/18	RES 1 PUBLIC PUBLIC RES 2
13	WS2021 WS2035	PUBLIC PUBLIC
14	BE1924 BE1935 BE1931	RES 1 RES 1 VACANT
15	NI1245-55	RES 3
16	--	

TABLE 11 (Continued)

Decision Unit	Property	Classification
17	NT1308	RES 4
18	--	
19	GR1734	RES 1
20	DE1625A/B	RES 2
21	ST1638/40	RES 2
22	WT2612	RES 1
23	OH2025 OH2036	PUBLIC VACANT
24	MP1732	PUBLIC
25	MP1628	RES 1
26	OL1740	RES 1
27	OL1646/48 NI0915/17	RES 2 RES 3
28	NI0834 NI0837/39	RES 1 RES 2
29	MA1429 GR1447	RES 1 RES 1
30	IO1401 IO1400	RES 1 PUBLIC
31	ST1344	RES 5
32	IO1327 WS1307 IO1338	RES 1 RES 1 RES 1
33	GR1217 MA1245	RES 1 PUBLIC
34	IO1222	RES 1
35	ST1022 ST1004 GR1120	RES 1 VACANT VACANT
37	GR0911 GR0925	VACANT RES 1

TABLE 11 (Continued)

Decision Unit	Property	Classification
38	WS0919/21	RES 2
	MA0810	RES 2
	IO0905	RES 1
	WS0815	RES 1
	IO0809/11	RES 2
39	WS1310-16	RES 1
	KE1614/16	RES 2
42	RE1121	RES 1
43	--	
46	ME0640	RES 1

Special features requiring consideration
Access considerations
Equipment considerations
Miscellaneous considerations

Completed site surveys for each of the sites evaluated are included in Appendix 4.

The site survey information was then used to determine the following remedial quantities:

The quantity of soil to be removed based on the depth of removal and lot size. (Areas covered by structures and driveways were not included in these calculations.)

Quantity of gravel to be removed based on an assumption that it would be removed to the same depth as the soil.

Percentage of material to be excavated by mechanical versus manual removal methods based on general observations from the site surveys, features requiring consideration, access and equipment notes, and miscellaneous comments on the site surveys.

Vegetation removal requirements based on information from the site surveys.

Days required on-site based on site survey information and the percentage of mechanical/manual removal required.

The assumptions for each of the properties evaluated can be found on the individual property cost sheets included in Appendix 5.

REACT then applied unit costs obtained from a variety of sources - disposal facilities, landscapers, standard cost data, experience and construction contractors - to obtain the total direct costs for each of the properties. The costs and assumptions applied during this activity can also be found on the individual property sheets in Appendix 5.

The results for each of the property classifications were averaged to obtain the remedial costs shown in Table 12. Each of these classification averages were applied to the number of properties requiring remediation in that classification at action levels of both 500 and 1,000 ppm to give the results summarized in Table 13.

Administrative costs for the remediation of the stack emission properties were determined as shown in Appendix 6. As this appendix shows, the administrative costs are dependant on two factors - the number of field crews mobilized and, as a result, the duration of the remedial effort. Table 14 shows the effect of the addition of the administrative as well as insurance and bonding requirements on the total remedial cost for each of the action levels (500 and 1,000 ppm) under several different field-crew scenarios.

**TABLE 12
AVERAGE COST CALCULATIONS**

Classification⁽¹⁾	Size Code⁽²⁾	Number of Properties Evaluated	Average Remedial Cost
Public	R	1	-0-
	B	4	16,048
	Y	2	16,003
	G	1	22,999
	BK	3	29,995
Vacant	R	2	10,820
	B	1	15,350
	Y	1	19,102
	G	1	19,734
	BK	1	36,075
Res 1	R	9	7,149
	B	9	15,574
	Y	8	14,156
	G	4	23,610
	BK	2	43,380
Res 2	R	2	10,902
	B	2	11,302
	Y	3	12,751
	G	1	20,471
	BK	3	29,882
Res 3-8	R	1	3,025
	B	1	16,032
	Y	2	6,463
	G	1	27,654
	BK	1	30,569

⁽¹⁾ RES1 = Single family residence
RES2 = Two family residence
RES3-8 = Multiple families residence
VACANT = Vacant lots
PUBLIC = Public/Church/Organization-Owned

⁽²⁾ R = <5,000 SF
B = 5,000 - 6,249 SF
Y = 6,250 - 7,499 SF
G = 7,500 - 10,749 SF
BK = > 10,749 SF

TABLE 13

TOTAL PROJECT DIRECT CAPITAL COSTS
Stack Emission Properties

Property Classification ⁽¹⁾	Size Code ⁽²⁾	Average Remedial Cost ⁽³⁾	500 ppm Remedial Level		1,000 ppm Remedial Level	
			No. of Properties	Total Cost	No. of Properties	Total Cost
RES1	R	\$ 7,149	276	\$1,973,124	104	\$ 743,496
	B	15,574	183	2,850,042	74	1,152,476
	Y	14,156	323	4,572,388	86	1,217,416
	G	23,610	52	1,227,720	17	401,370
	BK	43,380	44	1,908,720	16	694,080
			878	\$12,531,994	297	\$4,208,838
RES2	R	\$ 10,902	5	\$ 54,510	3	\$ 32,706
	B	11,302	40	452,080	16	180,832
	Y	12,751	90	1,147,590	48	612,048
	G	20,471	13	266,123	4	81,884
	BK	29,882	5	149,410	3	89,646
			153	\$2,069,713	74	\$997,116
RES3-RES8	R	\$ 3,025	3	\$ 9,075	2	\$ 6,050
	B	16,032	2	32,064	1	16,032
	Y	6,463	12	77,556	5	32,315
	G	27,654	1	27,654	1	27,654
	BK	30,569	3	91,707	2	61,136
			21	\$238,056	11	\$143,189
VACANT	R	\$ 10,820	26	\$ 281,320	18	\$ 194,760
	B	15,350	15	230,250	11	168,850
	Y	19,102	11	210,122	6	114,612
	G	39,734	5	198,670	2	79,468
	BK	36,075	4	144,300	1	36,025
			61	\$1,064,662	38	\$593,715
PUBLIC	R	\$(7,974) ⁽⁴⁾	4	\$ 31,896	3	\$ 23,922
	B	16,048	13	208,624	8	128,384
	Y	16,003	7	112,021	1	16,003
	G	22,999	1	22,999	1	22,999
	BK	29,995	23	689,885	8	239,960
			48	\$1,065,425	21	\$431,268

TABLE 13 (Continued)

Property Classification ⁽¹⁾	Size Code ⁽²⁾	Average Remedial Cost ⁽³⁾	500 ppm Remedial Level		1,000 ppm Remedial Level	
			No. of Properties	Total Cost	No. of Properties	Total Cost
COMM	R	\$ 7,974 ⁽⁴⁾	3	\$ 23,922	1	\$ 23,922
	B	14,861 ⁽⁴⁾	3	44,583	3	133,749
	Y	13,695 ⁽⁴⁾	4	54,780	2	109,560
	G	26,894 ⁽⁴⁾	0	-0-	0	-0-
	BK	24,581 ⁽⁴⁾	6	147,486	2	294,972
			16	\$270,771	8	\$562,203
PROJECT TOTALS			1,177	\$17,240,621	449	\$6,936,329

- (1) RES1 = Single family residence
RES2 = Two family residence
RES3-8 = Multiple families residence
VACANT = Vacant lots
PUBLIC = Public/Church/Organization-Owned
COMM = Commercial Property

- (2) R = < 5,000 SF
B = 5,000 - 6,249 SF
Y = 6,250 - 7,499 SF
G = 7,500 - 10,749 SF
BK = > 10,749 SF

- (3) Based on independent cost estimates for statistically representative properties.
(4) Average of all other "Average Remedial Cost" categories for this size code.

TABLE 14

OVERALL REMEDIAL COSTS
Stack Emission Properties

Remedial Level/ No. of Field Crews	Direct Capital Cost	Administrative Costs	Total Capital Costs	Insurance/ Bonding ⁽¹⁾	Total Remedial Cost
500 ppm					
Two crews	\$17,240,621	\$2,736,000	\$19,976,621	\$1,398,363	\$21,374,984
Four crews	17,240,621	1,714,560	18,955,181	1,326,863	20,282,044
Eight crews	17,240,621	1,185,600	18,426,221	1,289,835	19,716,056
Ten crews	17,240,621	1,065,600	18,306,221	1,281,435	19,587,656
1,000 ppm					
Two crews	\$6,936,329	\$1,057,920	\$7,994,249	\$559,5997	\$8,553,846
Four crews	6,936,329	631,680	7,568,009	529,761	8,097,770
Eight crews	6,936,329	449,280	7,385,609	516,993	7,902,602
Ten crews	6,936,329	412,032	7,348,361	514,385	7,862,746

(1) At 7% of Total Capital Costs

For purposes of comparison to other cost estimates presented earlier in this document, the average remedial cost per site was calculated for each of these scenarios and is presented in Table 15.

Remote-Fill Properties

In developing an independent estimate to remediate these properties, REACT relied on information obtained through the Freedom of Information Act (FOIA) on properties where remediation had been completed to establish the quantities of materials to be excavated and sent for disposal. An independent development of this information was not possible because of the lack of characterization data regarding the extent (volume) of contaminated materials. Further, REACT relied on the information obtained through the FOIA to establish the volume of hazardous versus special waste.

Using these material quantities, REACT applied independently generated excavation and disposal costs to develop an estimate for remediation of the 11 remote-fill properties at which remediation had been completed. This estimate is shown in Table 16 on a total as well as per site basis.

The disposal figures in Table 16 reflect the disposal of all hazardous materials as such. An option to this type of disposal would be the stabilization of the lead in the excavated materials to reduce its leachability followed by disposal of the stabilized materials as special waste. The impact of this option is presented in Table 17.

As Table 17 shows, prior stabilization of the materials would reduce the estimated average remedial cost for these 11 sites from \$207,152 to \$99,304, a savings of an average of \$107,848 per site.

Table 18 shows the extrapolation of these average costs over the total number of remote-fill sites to determine the total costs associated with their remediation at 500 versus 1,000 ppm. The costs associated with the initial sites as well as with the total number that have been identified are shown.

Total Remediation Cost Estimate

A final summary of the independently-estimated costs for completion of the remediation is shown in Table 19. In this table, the estimate for the stack emission properties is added to the estimate for all of the identified remote-fill properties under two hazardous waste disposal scenarios - (1) disposal as hazardous waste and (2) disposal as special waste after stabilization.

REMEDICATION SCHEDULE

The schedule to complete the remediation of the adjacent residential areas will be affected primarily by two factors:

1. the number of sites to be remediated; and
2. the number of field crews mobilized.

TABLE 15

**STACK EMISSION PROPERTIES
AVERAGE REMEDIAL COSTS PER SITE
INDEPENDENT COST ESTIMATE**

Remedial Level/ No. of Field Crews	Average Remedial Cost Per Site
500 ppm	
Two crews	\$18,161
Four crews	17,232
Eight crews	16,751
Ten crews	16,642
1,000 ppm	
Two crews	\$19,051
Four crews	18,035
Eight crews	17,600
Ten crews	17,512

TABLE 16

INDEPENDENT ESTIMATE TO COMPLETE DISPOSAL AS HAZARDOUS WASTE

Site	Haz. Material Excavated (CY)	Haz. Waste Disposal (\$/CY)	Hazardous Waste Total	Special Waste Quantity (CY)	Special Waste Disposal (\$/CY)	Special Waste Total	Total Site Disposal Costs
Missouri Avenue	3,422	\$300.33 ^(1,2)	\$1,027,695	150	59.55 ^(1,2)	8,933	\$1,036,628
203/205 Terry	748	\$300.33 ^(1,2)	224,647	580	59.55 ^(1,2)	34,539	259,186
100/201 Hill	299	\$300.33 ^(1,2)	89,799				89,799
202A Harrison	768	\$300.33 ^(1,2)	230,653				230,653
Weber Avenue	393	\$300.33 ^(1,2)	118,030	262	59.55 ^(1,2)	15,602	133,632
Abbott Avenue	374	\$300.33 ^(1,2)	112,323				112,323
208 Terry	393	\$300.33 ^(1,2)	118,030				118,030
1628 Delmar	94	\$300.33 ^(1,2)	28,231	38	59.55 ^(1,2)	2,263	30,494
3108 Colgate	19	\$300.33 ^(1,2)	5,706				5,706
108 Carver	168	\$300.33 ^(1,2)	50,455				50,455
2226/2230 Cleveland	131	\$300.33 ^(1,2)	39,343	38	59.55 ^(1,2)	2,263	41,606
	6,809		2,044,912	1,068		63,600	2,108,512

Remote Fill Area Totals

Disposal	\$2,108,512
Restoration	<u>170,160</u>
	\$2,278,672

Average Cost = \$207,152/site

- (1) Includes excavation, transportation and landfill charges. A 10% contractor markup has been added to the landfill charges. Excavation costs include administration, labor, equipment, and analytical costs.
- (2) Includes one TCLP lead analysis per 100 CY of material excavated.

TABLE 17

**HAZARDOUS WASTE DISPOSAL VS.
STABILIZATION COSTS**

	Unit Cost (\$/CY)	Quantity (CY)	Total
Hazardous Waste Disposal	\$300.33⁽¹⁾	6,809	\$2,044,946
Stabilization/Special Waste Disposal	\$126.12⁽²⁾	6,809	\$858,615

Savings (Difference) = \$1,186,331 (or \$174.23/CY)

At an average of 619 CY/site, savings = \$107,848/site

Therefore, cost with stabilization = \$99,304/site

⁽¹⁾ See Table 16 for explanation.

⁽²⁾ Includes stabilization, disposal and additional administrative costs. Stabilization costs obtained from an average of 10 lowest bids received by the U.S. Department of Interior for remediation of the CalWest site in New Mexico.

TABLE 18
REMOTE FILL SITES
INDEPENDENT ESTIMATE TO COMPLETE

		16 Sites ⁽¹⁾	79 Sites ⁽²⁾	65 Sites ⁽³⁾
Hazardous Waste Disposal	\$207,152	\$3,314,432	\$16,365,008	\$13,464,880
Stabilization & Special Waste Disposal	\$ 99,304	\$1,588,864	\$7,845,016	\$6,454,760

- ⁽¹⁾ Sites identified in first COE delivery order (see Table 1).
- ⁽²⁾ Sites identified to date with total lead above 500 ppm (see Table 5).
- ⁽³⁾ Sites identified to date with total lead above 1,000 ppm (see Table 5).

TABLE 19
TOTAL REMEDIATION COST ESTIMATE

	Remedial Level	
	500 ppm	1,000 ppm
Special Waste/Hazardous Waste Disposal⁽¹⁾		
Stack Emission Properties	\$21,374,984 ⁽³⁾	\$8,553,846
Remote-Fill Areas	16,365,008	13,464,880
TOTAL	\$37,739,992	\$22,018,726
Stabilization/Special Waste Disposal⁽²⁾		
Stack Emission Properties	\$21,374,984 ⁽³⁾	\$8,553,846
Remote-Fill Areas	7,845,016	6,454,760
TOTAL	\$29,220,000	\$15,008,576

⁽¹⁾ No stabilization included.

⁽²⁾ Stabilization of "hazardous" material followed by disposal as special waste.

⁽³⁾ Based on utilization of two field crews at a time.

These two factors will determine the number of trucks moving excavated and backfill materials through the community. The impact of this activity on the community must be considered when evaluating acceptable remedial schedules.

Table 20 summarizes the remediation schedule and anticipated truck traffic under varying numbers of field crews at the two remedial action levels.

Tables 21 and 22 summarize the routes between the site and existing various disposal facilities capable of handling the special and hazardous wastes, respectfully.

TABLE 20
REMEDIATION SCHEDULE

No. Crews	Sites per Year ⁽¹⁾	500 ppm Remedial Level			1,000 ppm Remedial Level		
		No. of Sites ⁽²⁾	Years to Complete	Trucks per Day ⁽³⁾	No. of Sites ⁽²⁾	Years to Complete	Trucks per Day ⁽³⁾
1	79	1,256	15.9	7	514	6.5	7
2	158	1,256	8.0	14	514	3.3	14
3	237	1,256	5.3	20	514	2.2	20
4	316	1,256	4.0	27	514	1.6	27
5	395	1,256	3.2	34	514	1.3	34
6	474	1,256	2.6	41	514	1.1	41
7	553	1,256	2.3	48	514	0.93	48
8	632	1,256	2.0	54	---	---	---
9	711	1,256	1.8	61	---	---	---
10	790	1,256	1.6	68	---	---	---
11	869	1,256	1.4	80	---	---	---
12	948	1,256	1.3	82	---	---	---
13	1,027	1,256	1.2	88	---	---	---
14	1,106	1,256	1.1	95	---	---	---
15	1,185	1,256	1.1	102	---	---	---
16	1,264	1,256	1.0	109	---	---	---

⁽¹⁾ Assumes 39 production weeks/year and 2 sites/crew/week.

⁽²⁾ Includes stack emission and remote-fill properties.

⁽³⁾ Rounded to nearest truck. Figures include disposal and backfill activities.

TABLE 21
TRANSPORTATION ROUTES
SPECIAL WASTE

Landfill Options	Route
Milam Recycling & Disposal Route 203 & I-55 Madison, IL 62060	Exit site to Route 203 South to I-55 South
BFI Missouri Pass Landfill 11500 Bowling Green Drive Maryland Heights, MO 63043	Exit site to Route 3 or Route 203 North to I-270 I-270 West to I-170 I-170 South to I-70 I-70 West to Lindbergh Lindbergh South to Midland Midland West to Adie Rd.
BFI Modern Landfill 3521 Centerville Avenue Belleville, IL 62220	Route 3 or Route 203 South to I-55/70 I-55/70 South to I-64 I-64 East to Route 159 Route 159 South to Route 15 Route 15 West to Centerville

TABLE 22
TRANSPORTATION ROUTES
HAZARDOUS WASTE

Landfill Options	Route
Peoria Waste Disposal Peoria, IL	Exit site to I-55 North to I-74 I-74 West to Peoria
Waste Management Menomonee Falls, WI	Exit site west to Route 3 North Route 3 North to 94 North 94 North to Route 41 to Menomonee, WI
Heritage Indianapolis, IN	Exit site west to Route 3 North Route 3 North to I-70 East I-70 East to Indianapolis, IN
Chemical Waste Management Fort Wayne, IN	Exit site west to Route 3 North Route 3 North to I-70 East I-70 East to 65 North 65 North to Fort Wayne, IN

the action level (from 1,000 ppm to 500 ppm), the removal of 6 inches versus 3 inches of soil, and the increase in the number of "areas" to be remediated (from two to seven). In response to comments from NL Industries and O'Brien and Gere, this Government estimate was modified later the same month with the revised estimate totalling approximately \$21,300,000 for the remediation of 1,532 adjacent residential area properties. (The total estimate was \$25 million of which approximately \$21.3 million is associated with the residential properties.) The revision corrected errors made by USEPA in scaling up O'Brien and Gere's original estimate. This revised estimate correlates to an average of approximately \$13,900 per property. The chosen alternative, Alternative H, was subsequently incorporated into the ROD for the Site issued on March 10, 1990.

On November 12, 1993, the USACE (operating under agreement with the USEPA) modified a contract with OHM Corporation to allow remediation of 33 stack emission properties at the Granite City Site. The authorization under this modification was for \$1,411,384, for an average of **\$42,800 per property**. No explanation is given for this increase in the per property cost. In addition, there was no ESD issued to indicate that these higher costs could be expected during the remainder of the project. This authorization also does not include USACE fees of approximately 9.5% of the contractor's charges which are passed on to the USEPA for management of the efforts. Inclusion of these fees to reflect the true costs brings the average cost to **\$46,866 per property**.

The ROD for the site was modified on January 27, 1994, when the USEPA issued an "Explanation of Significant Differences" to allow wastes from stack emission properties to be disposed of off-site as special waste rather than being consolidated with the Taracorp pile as originally planned. A copy of this document obtained from the Granite City Library contained estimates to remediate 1300 stack emission properties under two scenarios:

1. Consolidating the wastes with the Taracorp pile, and
2. Disposal of the excavated materials as special waste at an off-site landfill.

No explanation of the use of 1,300 properties versus the 1,532 used in the earlier estimates is given.

The estimate for consolidation of the wastes with the pile totalled \$40,348,428 (\$31,037 per property). The total estimate for off-site disposal, was \$42,458,410 (an average of \$32,660 per property). Both of these figures include the USACE fees. Even though disposal was anticipated to cost approximately \$2,100,000 more than incorporation of the material with the pile, this was the selected alternative because "The revised remedy utilizes permanent solutions to the maximum extent practicable for the Site" and "This additional cost is justified due to the potential future cost savings of excavating and disposing of residential soil a second time if the Taracorp pile is removed from the main industrial site."

Because of the detail presented with these estimates, it is possible to perform a more thorough analysis of their basis. This analysis reveals that they include several categories of costs which are normally not included under a competitive bid situation. Table 3 includes a breakdown of these costs with corresponding adjustments to put the Government estimate on a comparable

TABLE 3

**ADJUSTED GOVERNMENT ESTIMATE TO COMPLETE⁽¹⁾
Stack Emission Properties**

Cost Category	Effective Rate per Site	Per Site Adjustment	Comments
Per Diems	\$2,526	\$2,526	Use of local contractors eliminates need for per diems
Rotations	\$98	\$98	Use of local contractors eliminates need for per diems
Office and Site Equipment	\$3,909	\$2,606	Government estimate based on escalation of rental fees for office and site equipment rather than their purchase for a large-scale program such as this.
Administration	\$4,208	\$1,883	Government estimate includes home office support as well as more on site administration personnel than a competitive bid situation.
COE Markups	\$2,834	\$2,834	Calculated at 9.5 % of total
TOTAL		\$9,947	

ADJUSTMENT

Government Per Site Estimate to Complete (See Table 2)	\$32,660
Total Adjustments (see above)	<u>- 9,947</u>
Adjusted Per Site Estimate to Complete	\$22,713

Total Estimate to Complete Based on Adjusted per Site Estimate:

For 1,300 properties ⁽²⁾	\$29,526,900
For 1,532 properties ⁽³⁾	\$34,776,400

⁽¹⁾ Based on an analysis of the information contained in the 1/27/94 ESD issued by the USEPA.

⁽²⁾ Number of sites included in ESD estimate.

⁽³⁾ Number of sites used in ROD estimate.

basis to the other estimates included in this report. As this table shows, these adjustments bring the average cost per property to approximately \$22,700 for a total of \$29,500,000 if 1300 properties are remediated or \$34,776,400 if the number of properties remediated is 1532 (the figure used in the earlier estimates as noted above).

An indication of the reasonableness of this "adjusted" estimate can be obtained by comparing it to the cost experience at other residential soil remediation sites across the country. Table 4 contains a summary of this information. As this summary shows, remedial cost experience and estimates on similar programs range from \$17,500 to \$27,450.

The Government, however, appears to revert to the November 1993 estimate of an average of approximately \$42,800 per property with the last delivery order issued for remedial activities on the stack emission properties. Records show that on July 19, 1994, the USACE issued a delivery order to OHM Remediation Services Corporation for remediation of 70 residential sites in Granite City, a typical site being defined as an occupied lot of approximately 7,560 square feet with buildings, driveways and sidewalks accounting for approximately 2,360 square feet. The total amount authorized under this delivery order was \$3,008,547 (see Table 1 for complete reference), for an average of **\$42,979 per property (\$47,062 per property with USACE mark-ups included)**. The "Site Specific Advance Agreements" referenced in and attached to this delivery order indicate that the estimate was prepared by OHM as part of their cost proposal.

Extrapolation of the \$47,062 per property to the average number of properties dealt with by the Government across their estimates (i.e., 1300 properties as addressed in the ESD of January 27, 1994, and 1532 properties as referenced in the ROD) brings the estimate to complete the remediation of the stack emission properties by the Government to \$66,639,792.

Property Characterization: The characterization data presented in WCC's PDFI includes the results of analysis of two core samples from each property in the remedial area to which the residents gave access. For each of these properties, a single 12" core sample was collected in the front yard and another in the back yard unless paving or buildings covered one of the areas. No sample compositing was performed. Each of the core samples was split into three aliquots - 0-3", 3"-6", and 6"-12" - for analysis. Of the 844 properties sampled by WCC, 584 had at least one aliquot above 500 ppm and, therefore, "will require remediation." (p. 57 of the WCC report)

In order to deal with the properties that were not sampled, the remedial area was subdivided by WCC into areas called "Decision Units." Decision Unit boundaries encompassed enough properties that had been sampled to allow a statistical evaluation of the probability that unsampled properties would contain soils above 500 ppm and, therefore, require remediation.

The Government's estimate of properties that would require remediation at an action level of 500 ppm would, therefore, include: (1) those properties where any of the six sampling results was above 500 ppm, and (2) those properties that were not sampled but are within Decision Units where the statistical evaluation predicts a high probability of observing a result over 500 ppm.

TABLE 4
COST EXPERIENCE AT OTHER SITES
RESIDENTIAL SOIL REMEDIATION
LEAD CONTAMINATION

Site Name	Site Loc (State)	Remedy Description	Residential Properties Involved	Agency Action Level (ppm)	Maximum Soil Removal	Status as of January 1994	Average Cost per Property	Cost Data Source
Herculaneum Smelter	MO	Remove & replace soil, sod	6	N/A	12"	Complete summer 1991	\$18,320	Actual costs ⁽¹⁾
Herculaneum Smelter	MO	Remove & replace soil, sod	11	N/A	12"	Completed summer 1993	\$27,450	Client estimate ⁽¹⁾
Bunker Hill	ID	Cap or remove & replace soil, sod	450		12"	Remediation in progress	\$17,500	EPA estimate ⁽²⁾
Ruston/N. Tacoma	WA	Remove & replace soil, sod	535	500	12"	Remediation to begin in 94	\$26,574 ⁽³⁾ (21,259)	EPA Feasibility Study Report ⁽⁴⁾ (without contingency)
Triumph Mine	ID	Remove & replace soil, sod	120			Site proposed to NPL	\$20,000	EPA estimate ⁽⁵⁾

⁽¹⁾ Gary Walker, Doe Run Company.

⁽²⁾ Nick Coto, Remediation Project Manager, USEPA Region X.

⁽³⁾ Represents adjustment of \$89,000 reported per lot cost to account for difference in lot size and removal of bond, insurance and construction management fees. This listed figure drops to \$21,259 if the 25% contingency is removed.

⁽⁴⁾ Bechtel Environmental, Inc., EPA Contract No. 68-W9-0060, January 1992.

⁽⁵⁾ Mary Kay Voytillo, Remediation Project Manager, USEPA Region X.

EPA = Environmental Protection Agency

Neither the Work Plan for OHM's remedial delivery orders at the Site ("Final Work Plan for Remediation of Locations in Granite City, Madison and Venice, Illinois, Associated with NL Industries/Taracorp Superfund Site," OHM for USACE, February 1993) nor any of the delivery orders themselves call for any further characterization of the properties to be remediated prior to excavation. This is confirmed by the "Site Specific Advance Agreements" attached to OHM's July 1994 delivery order which state "The only sampling and analysis required for this contract is for clean backfill borrow sources and decontamination water." and "In accordance with existing approved work plans under Rapid Response Delivery Order No. 58, OHM will not utilize field portable x-ray fluorescence equipment (XRF) for screening/verification since analytical data currently exists with the USEPA."

It appears, therefore, that the "yes-no" decision regarding remediation of sampled properties is made on the results of the analysis of the two uncomposited core samples obtained during WCC's investigation. Any result at or over 500 ppm puts the property on the to-be-remediated list. Properties where all results fall below 500 ppm, no matter how close to 500 ppm any of them are, appear to not be considered further for remediation, even though they may fall between two that are. No attempt is made to test each property for variation through individual or composite samples as is customary in remedial investigations. As a result, entire properties may be remediated where only a hot spot exists or properties may not be included because areas of higher concentrations were missed by the single cores in the front and back yards. The "yes-no" decisions on individual properties are, therefore, questionable.

Remote-Fill Properties

Through the completion of WCC's PDFI, which was submitted in September of 1993, the Government had identified seventeen remote-fill properties. Characterization of these properties indicated that all but one of the properties had total lead concentrations above 500 ppm, the action level established for the remote-fill areas by the ESD issued in May of 1993 (See Table 1). Subsequent characterization efforts have identified as many as 105 remote-fill areas. The initially identified sites as well as the additional sites are identified in Table 5 along with the report or document that identifies them.

REACT reviewed the analytical data reported for each of these sites against two remedial action levels (500 and 1,000 ppm) to determine those sites at which the Government would likely call for remediation under the different scenarios. The results of this analysis are also shown in Table 5 along with information on whether the site has been listed on a contract or delivery order for remediation and whether that remediation has been completed.

As part of the Government's characterization efforts, at least one TCLP analysis for lead was performed on each of the sites where a total lead concentration above 500 ppm was measured. The results in Table 5 indicate those properties for which this TCLP result for lead exceeded 5 mg/l, a result that would cause the sample to be characterized as hazardous, requiring different disposal options to be considered.

As indicated in the summary at the end of Table 5, 79 of these properties have had reported results above 500 ppm, with 65 of these being above 1,000 ppm.

Table 5
Remote Fill Site Summary

Location	Where Identified ⁽¹⁾	Remediation Required (Y or N) ⁽²⁾	Under Contract for Remediation (Y or N) ⁽³⁾	Remediated (Y or N) ⁽⁴⁾
Venice Alleys	O'Brien & Gere Preliminary Feasibility Report			
Abbott Avenue	O'Brien & Gere Preliminary Feasibility Report	Y-3	Y	Y
*Klein Avenue	O'Brien & Gere Preliminary Feasibility Report	Y	Y	N
Slough Road	O'Brien & Gere Preliminary Feasibility Report	Y-3	Y	N
Weber Avenue	O'Brien & Gere Preliminary Feasibility Report	Y-3	Y	Y
Lincoln Avenue	O'Brien & Gere Preliminary Feasibility Report		N	N
Eagle Park Acres	O'Brien & Gere Preliminary Feasibility Report			
108 Carver	O'Brien & Gere Preliminary Feasibility Report	Y-2	Y	Y
111 Carver	O'Brien & Gere Preliminary Feasibility Report	N	N	N
202 A Harrison	O'Brien & Gere Preliminary Feasibility Report	Y-3	Y	Y
203/205 Harrison	O'Brien & Gere Preliminary Feasibility Report	Y-2	Y	N
100/201 Hill	O'Brien & Gere Preliminary Feasibility Report	Y-3	Y	Y
203/205 Terry	O'Brien & Gere Preliminary Feasibility Report	Y-3	Y	Y

Y-1 Total lead result above 500 ppm.

Y-2 Total lead result above 1000 ppm

Y-3 TCLP lead result above 5 ppm (mg/l)

(1) See Table 1 for further identification.

(2) As determined by USEPA after evaluation of characterization data.

(3) As listed in OHM Corporation's contract with the USACE, Contract No. DACW45-89-D-0516, and Modification P00003.

(4) As reported by USACE in response to F01A Request No. 94-28, April 14, 1994.

(5) Highest TCLP result reported on Table 26 of WCC PDFI for Schaeffer Road is 4.86 mg/l. This is a contradiction to table 21 where it is reported that a result > 5 mg/l was obtained.

Table 5 (Continued)

Location	Where Identified ⁽¹⁾	Remediation Required (Y or N) ⁽²⁾	Under Contract for Remediation (Y or N) ⁽³⁾	Remediated (Y or N) ⁽⁴⁾
208 Terry	O'Brien & Gere Preliminary Feasibility Report	Y-2	Y	Y
Missouri Avenue	O'Brien & Gere Preliminary Feasibility Report	Y-3	Y	Y
Sand Road	O'Brien & Gere Preliminary Feasibility Report	Y-2	Y	N
Schaeffer Road ⁽⁵⁾	O'Brien & Gere Preliminary Feasibility Report	Y-3	Y	N
2230 Cleveland Ave.	O'Brien & Gere Preliminary Feasibility Report	Y-3	Y	Y
3108 Colgate	WCC PDFI	Y-3	Y	Y
1628 Delmar	WCC PDFI	Y-2	Y	Y
128 Roosevelt (Eagle Park Acres)	WCC PDFI	Y-3	Y	N
Venice, Illinois	OHM Precharacterization Report			
Alley 6	OHM Precharacterization Report	Y-3	Y	N
Alley 7.5	OHM Precharacterization Report	Y-3	Y	N
Alley 13	OHM Precharacterization Report	Y-3	Y	N
Alley 16	OHM Precharacterization Report	Y-3	Y	Y
Alley 19	OHM Precharacterization Report	Y-2	Y	Y
Alley 21	OHM Precharacterization Report	Y-3	Y	Y
Alley 27	OHM Precharacterization Report	Y-2	Y	Y
Alley 28	OHM Precharacterization Report	Y-3	Y	Y
Lot 36.5	OHM Precharacterization Report	Y-2	Y	N
Alley 44	OHM Precharacterization Report	Y-1	Y	Y

Y-1 Total lead result above 500 ppm.

Y-2 Total lead result above 1000 ppm

Y-3 TCLP lead result above 5 ppm (mg/l)

(1) See Table 1 for further identification.

(2) As determined by USEPA after evaluation of characterization data.

(3) As listed in OHM Corporation's contract with the USACE, Contract No. DACW45-89-D-0516, and Modification P00003.

(4) As reported by USACE in response to FOIA Request No. 94-28, April 14, 1994.

(5) Highest TCLP result reported on Table 26 of WCC PDFI for Schaeffer Road is 4.86 mg/l. This is a contradiction to table 21 where it is reported that a result > 5 mg/l was obtained.

Table 5 (Continued)

Location	Where Identified ⁽¹⁾	Remediation Required (Y or N) ⁽²⁾	Under Contract for Remediation (Y or N) ⁽³⁾	Remediated (Y or N) ⁽⁴⁾
Alley 45	OHM Precharacterization Report	Y-3	Y	Y
Alley 49	OHM Precharacterization Report	Y-3	Y	N
Alley 53	OHM Precharacterization Report	Y-2	Y	N
Lot 54.5 (Weber Rd.)	OHM Precharacterization Report No value above 500 reported	Y(N)	Y	N
Alley 62	OHM Precharacterization Report	Y-1	Y	N
Alley 62.5	OHM Precharacterization Report	Y-2	Y	N
Alley 65	OHM Precharacterization Report	Y-1	Y	N
*Alley 65.5 (Shown as a lot on drawing)	OHM Precharacterization Report	Y-2	Y	N
*Alley 101 (Shown as a lot on drawing)	OHM Precharacterization Report No value above 500 reported	Y(N)	Y	Y
Lot 102 (210 Terry)	OHM Precharacterization Report	Y-3	Y	Y
Lot 104 (1217 Market)	OHM Precharacterization Report	Y-3	Y	N
Alley 2	WCC Supplemental PDFI	Y-3	N	N
Alley 3		Y-1	N	N
Alley 4		N	N	N
Alley 5		Y-2	N	N
Alley 7		Y-3	N	N
Alley 9		Y-2	N	N
Alley 10		Y-2	N	N
Alley 11		N	N	N
Alley 14		Y-2	N	N
Alley 15		Y-2	N	N
Alley 18		Y-3	N	N
Alley 20		N	N	N

Y-1 Total lead result above 500 ppm.

Y-2 Total lead result above 1000 ppm

Y-3 TCLP lead result above 5 ppm (mg/l)

(1) See Table 1 for further identification.

(2) As determined by USEPA after evaluation of characterization data.

(3) As listed in OHM Corporation's contract with the USACE, Contract No. DACW45-89-D-0516, and Modification P00003.

(4) As reported by USACE in response to FOIA Request No. 94-28, April 14, 1994.

(5) Highest TCLP result reported on Table 26 of WCC PDFI for Schaeffer Road is 4.86 mg/l. This is a contradiction to table 21 where it is reported that a result > 5 mg/l was obtained.

Table 5 (Continued)

Location	Where Identified ⁽¹⁾	Remediation Required (Y or N) ⁽²⁾	Under Contract for Remediation (Y or N) ⁽³⁾	Remediated (Y or N) ⁽⁴⁾
Alley 22		Y-3	N	N
Alley 23		N	N	N
Alley 24		N	N	N
Alley 25		Y-2	N	N
Alley 26		Y-1	N	N
Alley 29		Y-2	N	N
Alley 30		Y-3	N	N
Alley 34		Y-2	N	N
Alley 35		Y-2	N	N
Alley 36		Y-3	N	N
Alley 37		Y-1	N	N
Alley 39		Y-2	N	N
Alley 40		Y-1	N	N
Alley 43		Y-1	N	N
Alley 47		N	N	N
Alley 48		N	N	N
Alley 50		Y-1	N	N
Alley 51		Y-2	N	N
Alley 52		Y-1	N	N
Alley 54		Y-2	N	N
Alley 57		Y-3	N	N
Alley 59.5		N	N	N
Alley 61		Y-2	N	N
Alley 69		Y-2	N	N

Y-1 Total lead result above 500 ppm.

Y-2 Total lead result above 1000 ppm

Y-3 TCLP lead result above 5 ppm (mg/l)

(1) See Table 1 for further identification.

(2) As determined by USEPA after evaluation of characterization data.

(3) As listed in OHM Corporation's contract with the USACE, Contract No. DACW45-89-D-0516, and Modification P00003.

(4) As reported by USACE in response to FOIA Request No. 94-28, April 14, 1994.

(5) Highest TCLP result reported on Table 26 of WCC PDFI for Schaeffer Road is 4.86 mg/l. This is a contradiction to table 21 where it is reported that a result > 5 mg/l was obtained.

Table 5 (Continued)

Location	Where Identified ⁽¹⁾	Remediation Required (Y or N) ⁽²⁾	Under Contract for Remediation (Y or N) ⁽³⁾	Remediated (Y or N) ⁽⁴⁾
Alley 70		Y-3	N	N
Eagle Park Acres				
200 Allen		Y-1	N	N
203 Allen		Y-2	N	N
123 Booker		Y-3	N	N
104 Carver		Y-3	N	N
126 Carver		N	N	N
212 Carver		Y-2	N	N
101 Harrison		Y-1	N	N
95 Hill		N	N	N
206 Hill		N	N	N
209 Hill		Y-1	N	N
211 Hill		Y-2	N	N
212 Hill		N	N	N
202 Terry		N	N	N
204 Terry		Y-3	N	N
210 Watson		Y-3	N	N
212 Watson		Y-1	N	N
213 Watson		N	N	N
214 Watson		Y-2	N	N
215 Watson		Y-2	N	N
217 Watson		N	N	N
Watson Alley		Y-3	N	N
3213 Colgate		N	N	N

Y-1 Total lead result above 500 ppm.

Y-2 Total lead result above 1000 ppm

Y-3 TCLP lead result above 5 ppm (mg/l)

(1) See Table 1 for further identification.

(2) As determined by USEPA after evaluation of characterization data.

(3) As listed in OHM Corporation's contract with the USACE, Contract No. DACW45-89-D-0516, and Modification P00003.

(4) As reported by USACE in response to FOIA Request No. 94-28, April 14, 1994.

(5) Highest TCLP result reported on Table 26 of WCC PDFI for Schaeffer Road is 4.86 mg/l. This is a contradiction to table 21 where it is reported that a result > 5 mg/l was obtained.

Table 5 (Continued)

Location	Where Identified ⁽¹⁾	Remediation Required (Y or N) ⁽²⁾	Under Contract for Remediation (Y or N) ⁽³⁾	Remediated (Y or N) ⁽⁴⁾
205 Abbott		N	N	N
Glen Carbon Alley		Y-3	N	N
276 Collinsville		N	N	N
103	Reported as not sampled due to dog; FOIA		Y	Y
105	Reported as not sampled due to dog; FOIA		Y	N
125 (?) not on P00003	Reported as not sampled due to dog; FOIA		Y	Y

Summary

Total number of sites: 105

Number of sites above 500 ppm: 79

Number of sites above 1,000 ppm: 65

Y-1 Total lead result above 500 ppm.

Y-2 Total lead result above 1000 ppm

Y-3 TCLP lead result above 5 ppm (mg/l)

- (1) See Table 1 for further identification.
- (2) As determined by USEPA after evaluation of characterization data.
- (3) As listed in OHM Corporation's contract with the USACE, Contract No. DACW45-89-D-0516, and Modification P00003.
- (4) As reported by USACE in response to FOIA Request No. 94-28, April 14, 1994.
- (5) Highest TCLP result reported on Table 26 of WCC PDFI for Schaeffer Road is 4.86 mg/l. This is a contradiction to table 21 where it is reported that a result > 5 mg/l was obtained.

In discussions with the USEPA Remedial Project Manager, it was determined that no estimate for completion of the remedial efforts for the properties classified as remote-fill properties in the Granite City Lead Project Site has been prepared. For this reason, the Government "estimates" included on Table 1 and summarized on Table 6 for the remote-fill properties were obtained from delivery orders and modifications issued to OHM Corporation by the USACE for remediation of some of these properties. As with the stack-emission properties, the totals for these efforts have been divided by the number of properties included to obtain an average cost per property for comparison purposes.

INDEPENDENT COST ESTIMATE

Using the criteria established by the ROD and characterization data available from the Pre-Design Field Investigation (PDFI) conducted by Woodward-Clyde Consultants (WCC) for the USEPA, REACT developed an independent cost estimate for the remedial efforts associated with the non-industrial property, the "adjacent residential areas," encompassed by the Granite City Lead Site. As a result of these efforts, costs were developed for the two general categories of properties - "stack-emission" properties and "remote-fill" properties.

The following sections describe the procedures used to develop the remedial costs estimates for these properties, including the procedures used to identify and classify properties in the remedial area, randomly select representative properties for detailed cost estimations, develop average remedial cost estimates and extrapolate the average costs to estimates of the overall remedial costs for the site.

Property Classification

Prior to initiating any field survey or estimating efforts, REACT created a database of the properties in the adjacent residential areas to indicate the number, type, usage and size of the properties affected. The categorization methodology is described in Appendix 1 and the resulting database is included in Appendix 2.

In creating the database, REACT maintained the WCC PDFI convention of dividing the study area into smaller areas referred to as Decision Units. These Decision Units were carried over into the statistical evaluations discussed in the next section. The boundaries of the Decision Units are illustrated in Figure 1.

The remote-fill properties included in the database were those originally identified in O'Brien and Gere's "Preliminary Feasibility Report" and WCC's PDFI (See Table 1). As discussed above, subsequent to these characterization reports, OHM issued a Precharacterization Report (Precharacterization Sampling of 21 Additional Sites for the NL Industries/Taracorp Superfund Project, September 3, 1993) and WCC issued a Supplemental PDFI ("Remote Fill Areas - Analytical Data Summary, PDFI Supplemental Investigation, NL/Taracorp Superfund Site, Granite City, Illinois," January, 1994). The impact of these reports was to bring the number of remote-fill locations to 105.

TABLE 6
SUMMARY OF GOVERNMENT COST ESTIMATES
REMOTE-FILL (BATTERY CASE) PROPERTIES

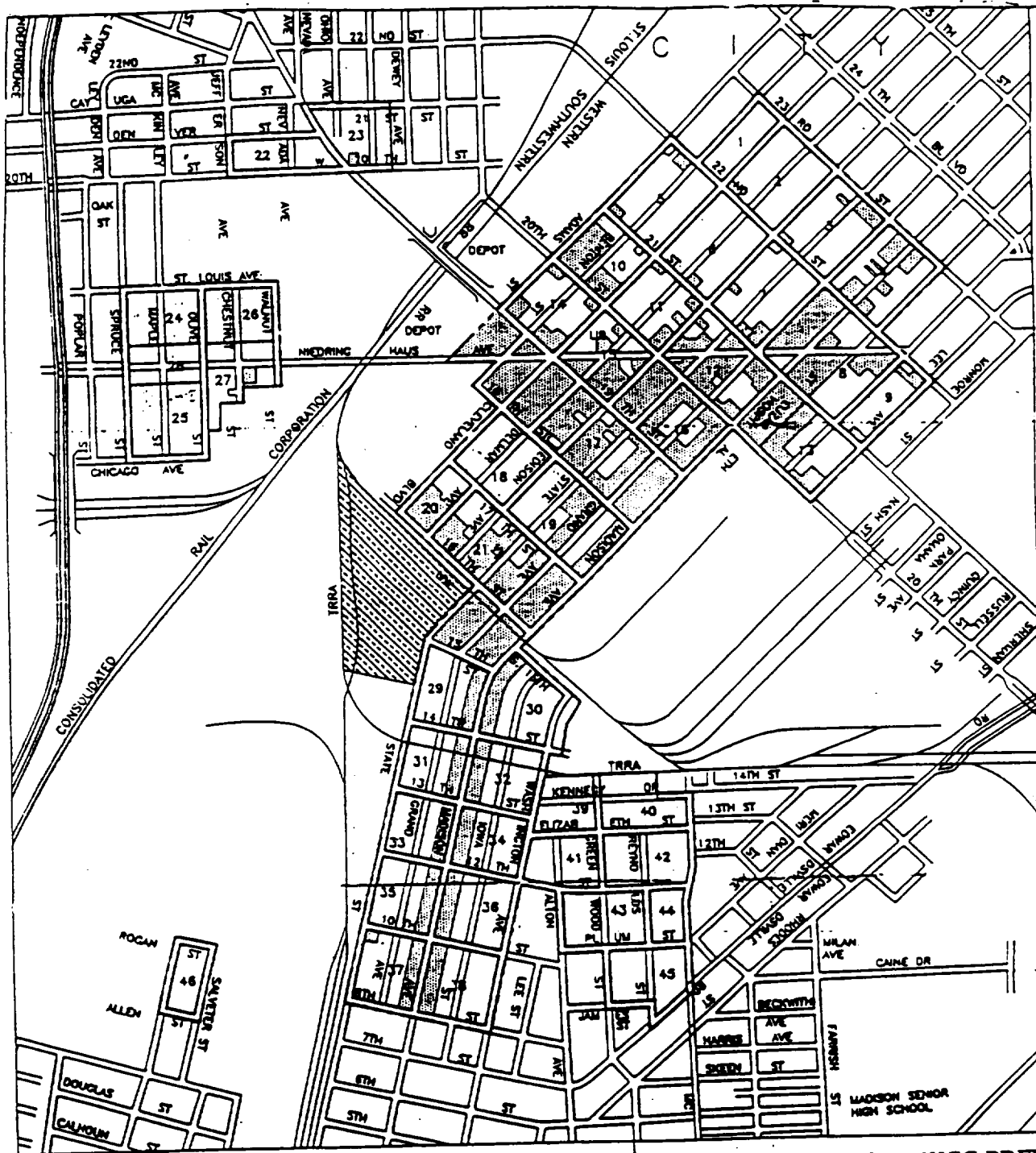
Source of Estimate	Estimated Cost per Property	Estimated Cost at Completion
D.O. 0058 plus Modification P00002	\$190,900 ^{1,2}	\$3,245,350 ^{1,2}
D.O. 0058, Modification P00003 plus Modification P00004	\$130,800 ^{1,2}	\$3,008,218 ^{1,2}
Average of Modification P00002 and P00003	\$156,300 ³ (\$171,148 with USACE mark-ups)	\$12,347,700 - \$16,411,500 ⁴ (\$13,520,732- \$17,970,593 with USACE mark-ups) ⁴

¹ Does not include any USACE mark-ups for project administration.

² From OHM Corporation contract with USACE (Contract No. DACW45-89-0-0516). Per property cost obtained by dividing total by the number of site (properties).

³ Obtained by dividing total dollars for both modifications by total number of sites.

⁴ Range represents application of average cost to first 79 properties and then 105 properties.



(Reprinted from WCC PDFI)

- LEGEND**
- COMMERCIAL PROPERTY (APPROXIMATE CENOT)
 - ▨ MASS INDUSTRIAL AREA
 - INVESTIGATION AREA BOUNDARY (RESIDUAL)
 - DECISION UNIT
 - 20 DECISION UNIT IDENTIFIER

FIGURE 1
DECISION UNIT MAP
20

SCALE (APPROXIMATE FEET)

The results of the property classification are reported in Table 7. As Table 7 shows, a total of 1,616 properties within the study area were identified by REACT as potentially being affected by the ROD either because of contamination through historical stack emissions or because of the presence of battery chips as fill material.

REACT incorporated the same statistical approach as WCC in evaluating the sampling data available in each Decision Unit to determine if properties that weren't sampled would require remediation. This statistical approach is described in Appendix 3 and was applied to an action level of 500 ppm and also to an action level of 1,000 ppm. The results of the statistical evaluation are reported by Decision Unit in Table 8.

When the results of the statistical evaluation are merged with the property classification, the results reported in Table 9 are obtained. As this table shows, a total of 1,177 stack emission properties are included at an action level of 500 ppm. This number drops to 449 at an action level of 1,000 ppm.

Selection of Properties for Detailed Cost Estimation

In moving forward with an estimate of the overall remedial costs for the adjacent residential areas, REACT randomly selected a portion of the properties in each of the property classifications for detailed cost estimation. The intent was to extrapolate the average remedial cost determined for each of these classifications to the total number of properties included.

The initial phase of this selection process involved statistically determining the appropriate sample size for each classification and, from this information, determining the number of properties that would be selected for detailed cost estimation. The results of this analysis are reported in Table 10.

Once the number of properties in each classification was determined, a random-number generation system was applied to the property database to select the actual "stack-emission" properties that would be evaluated. The results of this evaluation are included in Table 11. For purposes of this selection, properties that had been sampled during site characterization activities where all results were below 500 ppm were not included.

Cost Development for Individual Properties

Stack-Emission Properties. REACT field personnel surveyed each of the stack emission properties included in Table 11 to develop the following types of information which affect remedial cost calculations:

- Property size
- Remedial depth
- Type and size of structures
- Type and size of driveway
- Vegetation removal requirements
- Fence removal requirements

**TABLE 7
ADJACENT RESIDENTIAL PROPERTY
CLASSIFICATION SUMMARY**

Usage	Lot Size					Total
	< 5,000 SF	5,000-6,249 SF	6,250-7,499 SF	7,500-10,749 SF	≥ 10,750	
Stack Emission Properties						
Single Family Residence	340	229	411	104	64	1,149
Duplex	8	44	106	14	9	181
Multi-family Residence	4	5	16	1	3	29
Vacant Lots	27	18	14	7	4	70
"Public" Properties	6	14	8	4	32	64
Commercial Properties ⁽¹⁾	4	3	5	0	6	18
				TOTAL		1,511
Remote-Fill Properties						105
TOTALS	389	313	560	130	118	1,616

⁽¹⁾ Commercial properties that were listed in WCC Final PDFI and were sampled.

TABLE 8
STATISTICAL EVALUATION
BY DECISION UNIT
ADJACENT RESIDENTIAL AREAS*

Decision Unit	Remedial Depth (inches) @ 500 ppm Action Level	Remedial Depth (inches) @ 1,000 ppm Action Level
1	6	--
2	6	--
3	6	--
4	6	--
5	6	--
6	6	--
7	6	--
8	12	12
9	12	--
10	6	--
11	6	--
12	12	6
13	12	3
14	6	--
15	3	--
16	12	6
17	12	12
18	12	6
19	12	12
20	12	12
21	12	6
22	12	--
23	12	3

TABLE 8 (CONTINUED)

Decision Unit	Remedial Depth (inches) @ 500 ppm Action Level	Remedial Depth (inches) @ 1,000 ppm Action Level
24	6	--
25	6	--
26	12	--
27	12	3
28	12	3
29	12	12
30	12	6
31	12	3
32	12	--
33	12	--
34	6	--
35	12	12
36	--	--
37	12	--
38	6	--
39	12	--
40	--	--
41	--	--
42	3	--
43	6	3
44	--	--
45	--	--
46	12	--

* Anticipated remedial depth by WCC for properties not sampled during Pre-Design Remedial Investigation (PDRI).

"--" indicates that no remediation is anticipated to be required for unsampled properties in the Decision Unit.